

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012557.D
 Acq On : 03 Sep 2019 19:46
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 04 06:49:10 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	222554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	157207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146432	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.88	113	113970	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.32	98	443750	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.62	95	163864	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	65531	47.821	ug/l	99
3) Chloromethane	2.21	50	103499	48.750	ug/l	100
4) Vinyl Chloride	2.36	62	113100	43.524	ug/l	99
5) Bromomethane	2.76	94	60235	45.771	ug/l	94
6) Chloroethane	2.90	64	66979	45.692	ug/l	95
7) Trichlorofluoromethane	3.25	101	71798	55.026	ug/l	100
8) Diethyl Ether	3.68	74	69247	55.912	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113974	51.388	ug/l	97
10) Methyl Iodide	4.26	142	159800	53.251	ug/l	98
11) Tert butyl alcohol	5.19	59	47778	300.090	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	114321	51.212	ug/l	99
13) Acrolein	3.89	56	54642	364.596	ug/l	98
14) Allyl chloride	4.66	41	247511	51.863	ug/l	98
15) Acrylonitrile	5.37	53	179320	292.109	ug/l	99
16) Acetone	4.13	43	164527	243.284	ug/l	98
17) Carbon Disulfide	4.38	76	308300	45.698	ug/l	100
18) Methyl Acetate	4.67	43	103220	61.623	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	219845	60.899	ug/l	98
20) Methylene Chloride	4.91	84	133261	52.124	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	126415	52.809	ug/l	98
22) Diisopropyl ether	6.31	45	497036	56.187	ug/l	99
23) Vinyl Acetate	6.25	43	1557896	286.168	ug/l	100
24) 1,1-Dichloroethane	6.21	63	262537	54.508	ug/l	99
25) 2-Butanone	7.17	43	252015	274.233	ug/l	97
26) 2,2-Dichloropropane	7.17	77	142321	52.205	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	143332	56.042	ug/l	99
28) Bromochloromethane	7.51	49	111231	52.985	ug/l #	96
29) Tetrahydrofuran	7.52	42	163800	297.089	ug/l	99
30) Chloroform	7.67	83	251573	57.090	ug/l	100
31) Cyclohexane	7.95	56	222393	46.669	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	192034	55.088	ug/l	99
36) 1,1-Dichloropropene	8.08	75	192870	52.027	ug/l	99
37) Ethyl Acetate	7.25	43	116746	57.469	ug/l	99
38) Carbon Tetrachloride	8.07	117	175917	54.826	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210259	50.486	ug/l	96
40) Benzene	8.32	78	543925	53.734	ug/l	99
41) Methacrylonitrile	7.48	41	70056	58.675	ug/l	98
42) 1,2-Dichloroethane	8.40	62	186843	58.894	ug/l	100
43) Isopropyl Acetate	8.42	43	217793	57.879	ug/l	100
44) Trichloroethene	9.09	130	133101	54.089	ug/l	100
45) 1,2-Dichloropropane	9.37	63	146479	53.768	ug/l	98
46) Dibromomethane	9.46	93	69046	56.963	ug/l	98
47) Bromodichloromethane	9.64	83	183958	57.024	ug/l	98
48) Methyl methacrylate	9.43	41	104551	58.377	ug/l	96
49) 1,4-Dioxane	9.46	88	21259	1145.655	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	569725	297.673	ug/l	99
52) Toluene	10.38	92	332743	54.717	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190118	57.856	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	219892	55.420	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98911	57.674	ug/l	99
56) Ethyl methacrylate	10.65	69	149449	59.875	ug/l	99
57) 1,3-Dichloropropane	10.93	76	187061	57.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	376204	293.677	ug/l	99
59) 2-Hexanone	10.97	43	385572	284.718	ug/l	100
60) Dibromochloromethane	11.13	129	113140	59.229	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92544	57.922	ug/l	99
64) Tetrachloroethene	10.86	164	112436	55.518	ug/l	99
65) Chlorobenzene	11.65	112	337224	54.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	125215	58.353	ug/l	98
67) Ethyl Benzene	11.73	91	654101	55.204	ug/l	99
68) m/p-Xylenes	11.83	106	471215	110.405	ug/l	100
69) o-Xylene	12.16	106	222734	56.385	ug/l	99
70) Styrene	12.18	104	389522	56.969	ug/l	99
71) Bromoform	12.35	173	63999	59.862	ug/l	99
73) Isopropylbenzene	12.46	105	623699	52.947	ug/l	99
74) N-amyl acetate	12.27	43	196808	55.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116861	54.113	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	158034	103.217	ug/l #	100
77) Bromobenzene	12.74	156	139944	54.914	ug/l	97
78) n-propylbenzene	12.80	91	754187	52.445	ug/l	99
79) 2-Chlorotoluene	12.89	91	431367	52.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	530651	53.911	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38151	54.633	ug/l	100
82) 4-Chlorotoluene	12.99	91	456868	53.442	ug/l	100
83) tert-Butylbenzene	13.21	119	450055	53.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	529553	53.557	ug/l	99
85) sec-Butylbenzene	13.38	105	627854	52.559	ug/l	100
86) p-Isopropyltoluene	13.50	119	572564	53.671	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	268183	53.802	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	266462	53.838	ug/l	100
89) n-Butylbenzene	13.82	91	557430	52.544	ug/l	99
90) Hexachloroethane	14.09	117	99307	53.058	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	239593	54.792	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20805	57.146	ug/l	98

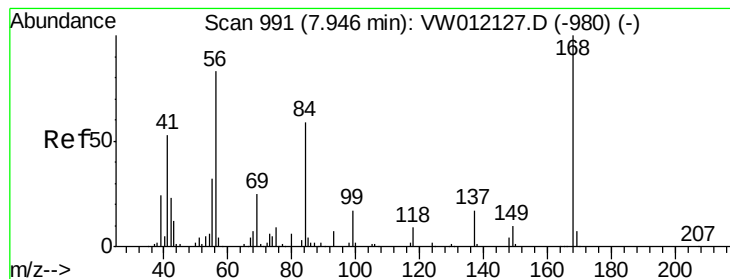
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174354	57.697	ug/l	98
94) Hexachlorobutadiene	15.24	225	113919	57.092	ug/l	96
95) Naphthalene	15.36	128	319306	53.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	151669	57.526	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

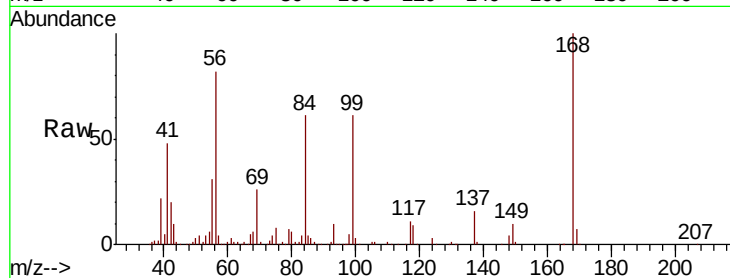
VSTDCCC050EC

Tgt Ion:168 Resp: 222554

Ion Ratio Lower Upper

168 100

99 61.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

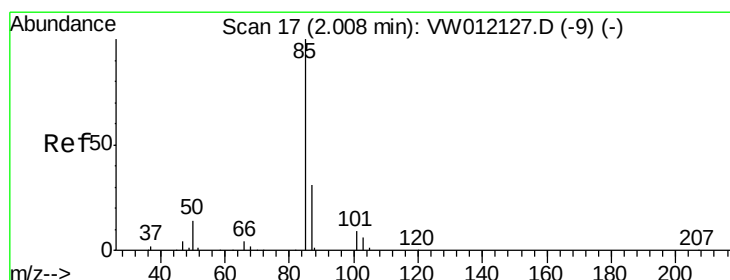
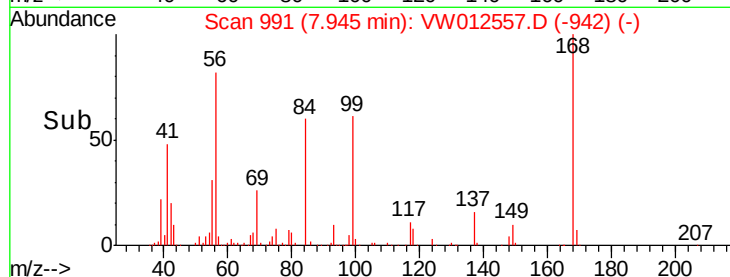
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 47.821 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012557.D

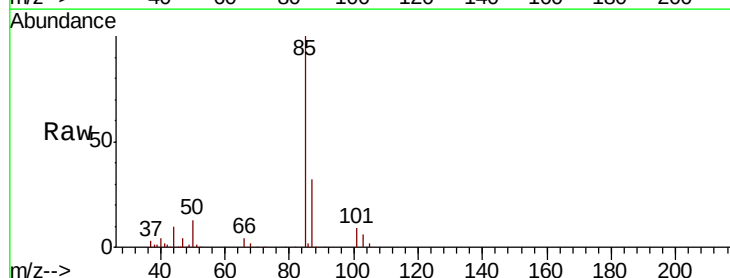
Acq: 03 Sep 2019 19:46

Tgt Ion: 85 Resp: 65531

Ion Ratio Lower Upper

85 100

87 31.9 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

25000

20000

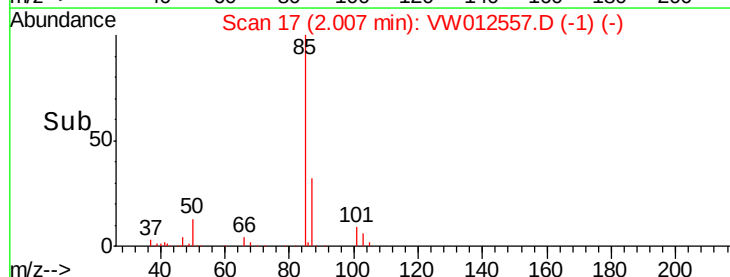
15000

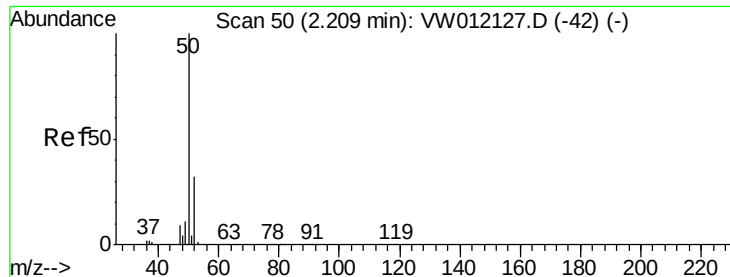
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 48.750 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

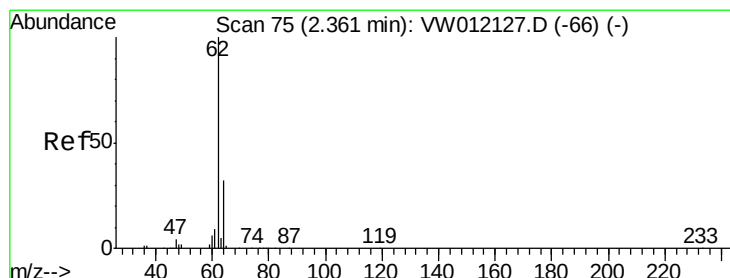
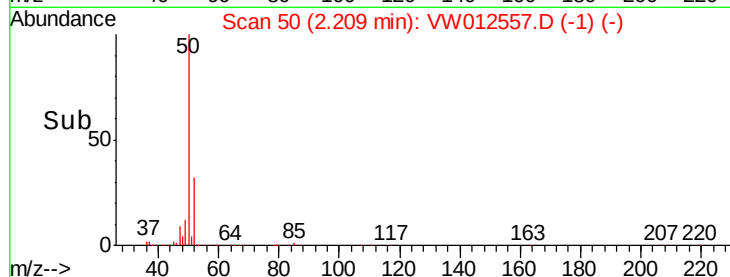
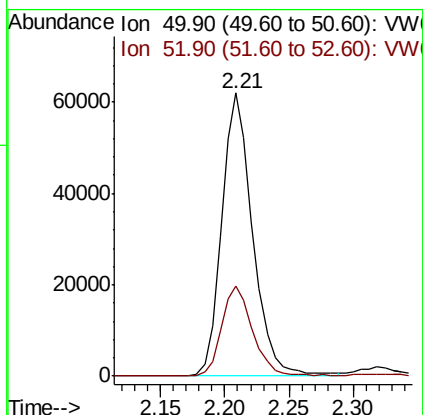
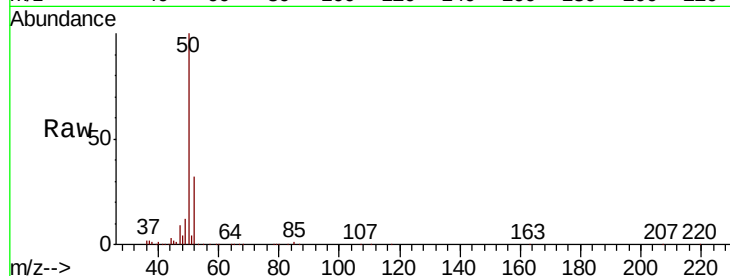
VSTDCCC050EC

Tgt Ion: 50 Resp: 103499

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



#4

Vinyl Chloride

Concen: 43.524 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012557.D

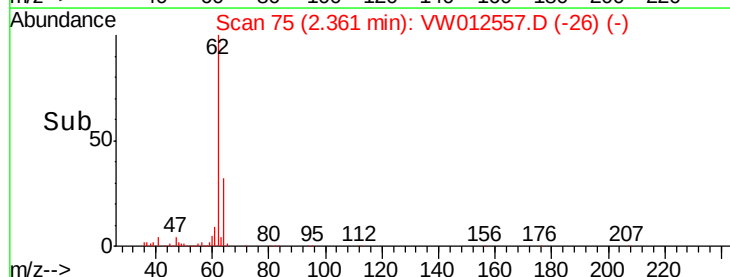
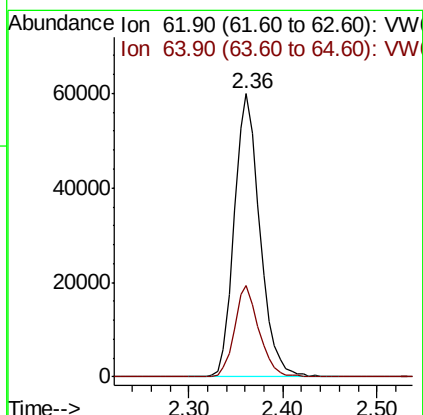
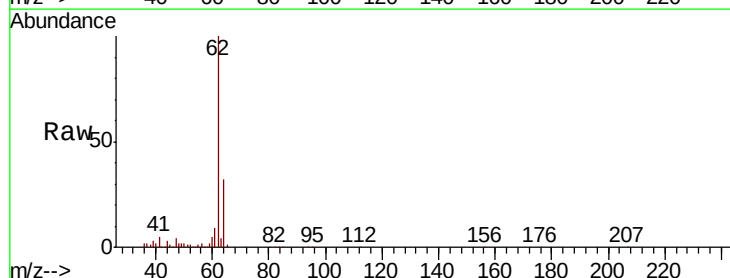
Acq: 03 Sep 2019 19:46

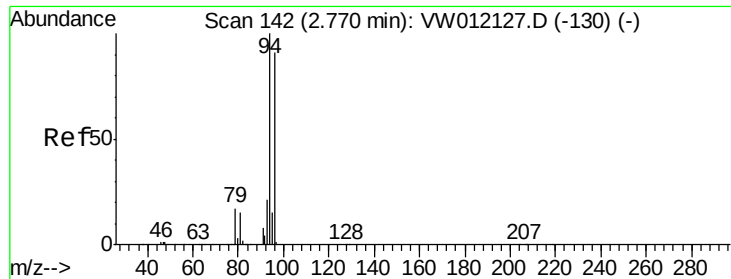
Tgt Ion: 62 Resp: 113100

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 45.771 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

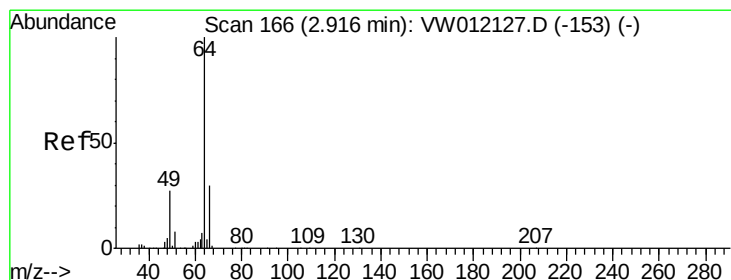
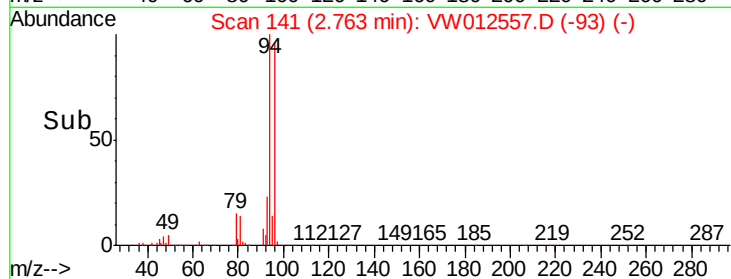
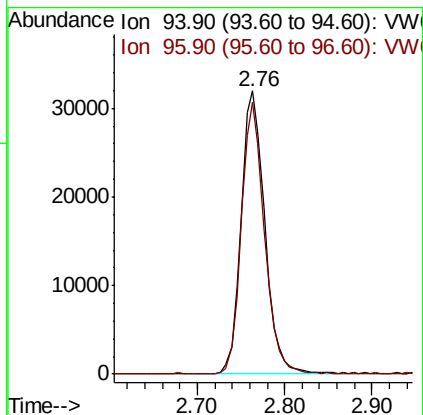
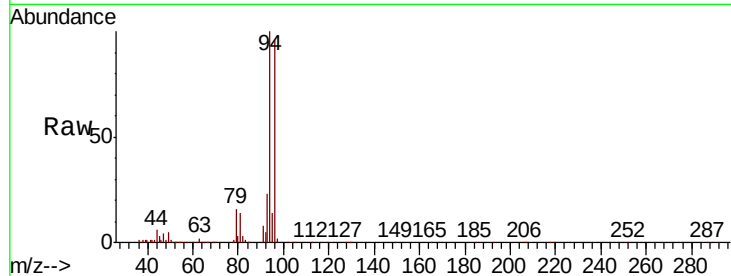
VSTDCCC050EC

Tgt Ion: 94 Resp: 60235

Ion Ratio Lower Upper

94 100

96 96.3 72.9 109.3



#6

Chloroethane

Concen: 45.692 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012557.D

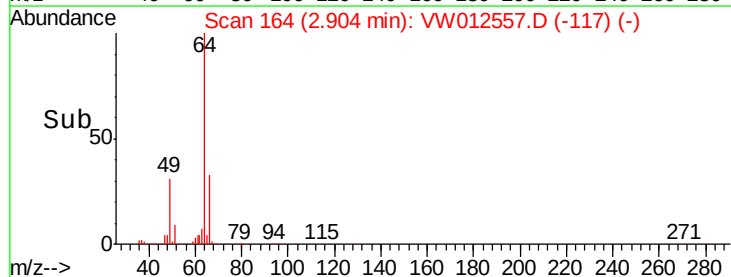
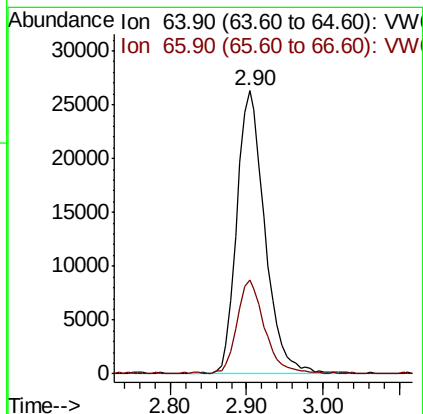
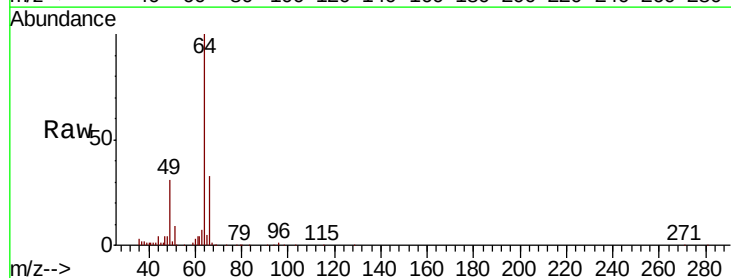
Acq: 03 Sep 2019 19:46

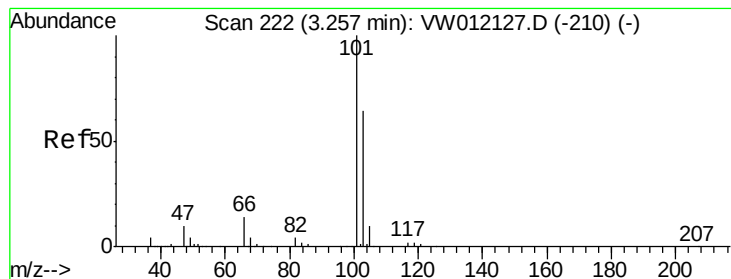
Tgt Ion: 64 Resp: 66979

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8



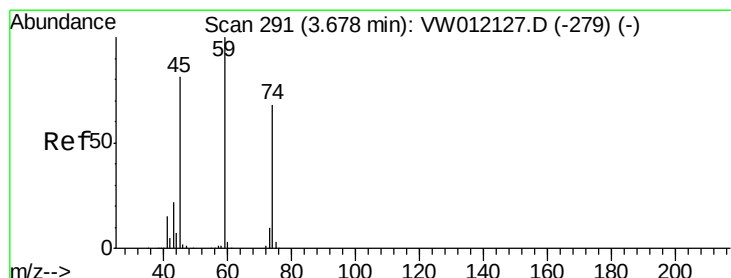
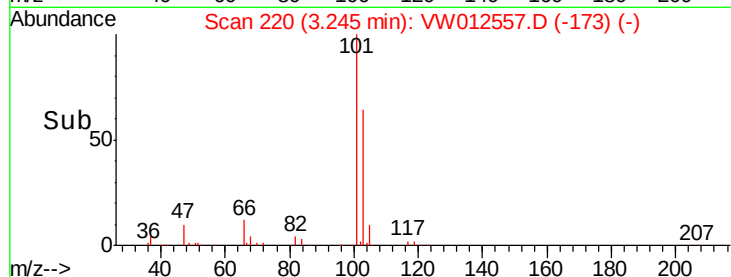
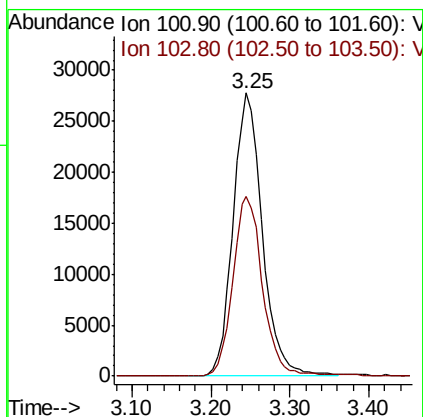
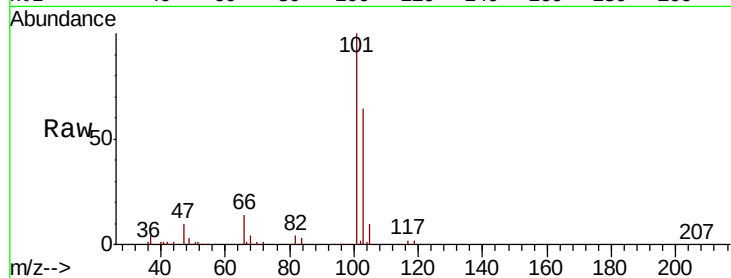


#7

Trichlorofluoromethane
 Concen: 55.026 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012557.D
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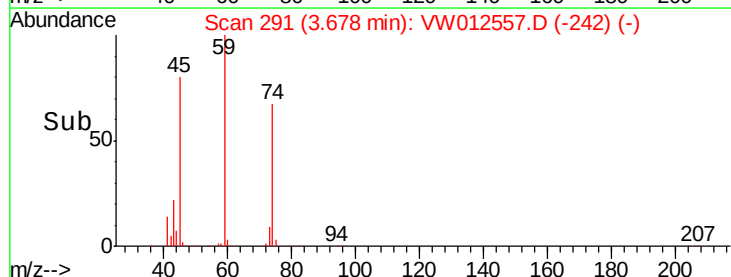
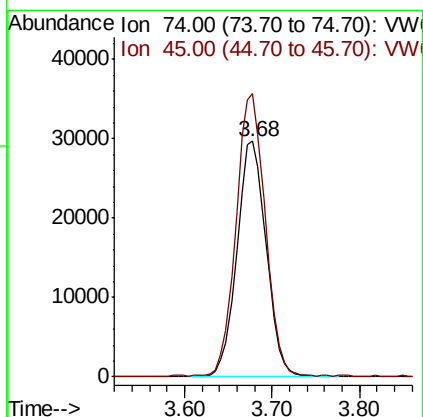
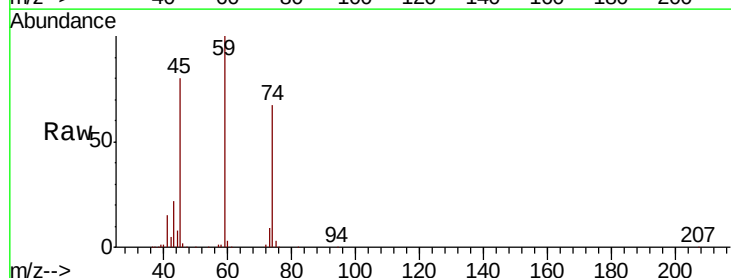
Tgt Ion: 101 Resp: 71798
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.2 76.8

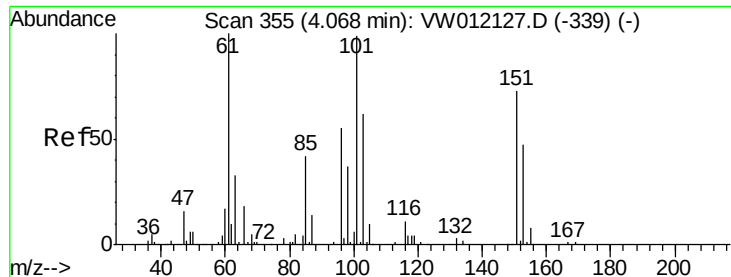


#8

Diethyl Ether
 Concen: 55.912 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion: 74 Resp: 69247
 Ion Ratio Lower Upper
 74 100
 45 118.8 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.388 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

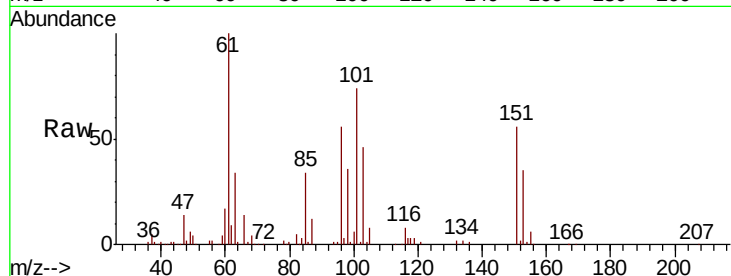
Tgt Ion:101 Resp: 113974

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

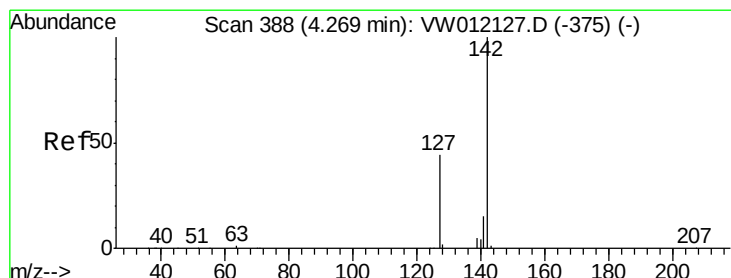
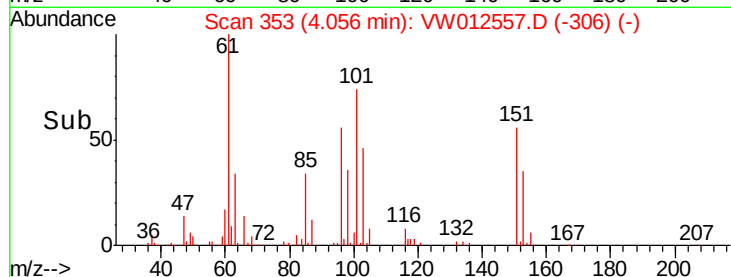
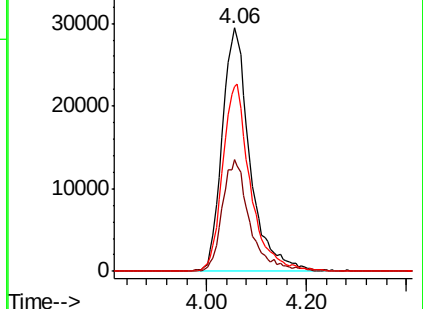
151 76.6 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.251 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

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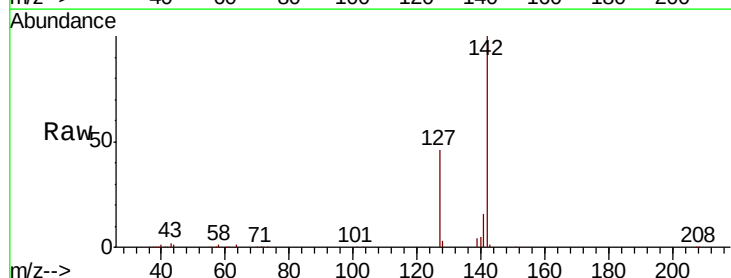
Tgt Ion:142 Resp: 159800

Ion Ratio Lower Upper

142 100

127 46.2 35.5 53.3

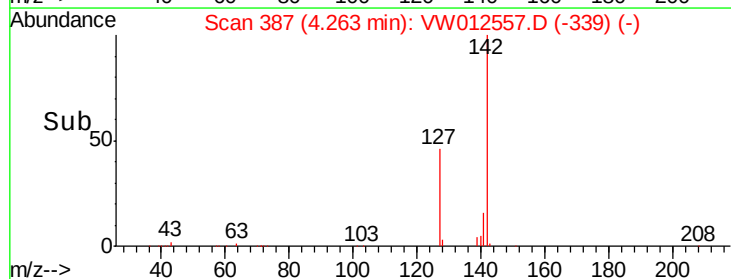
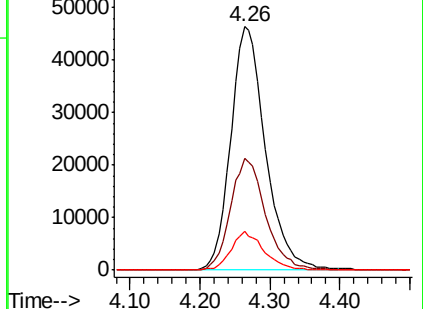
141 15.1 11.8 17.8

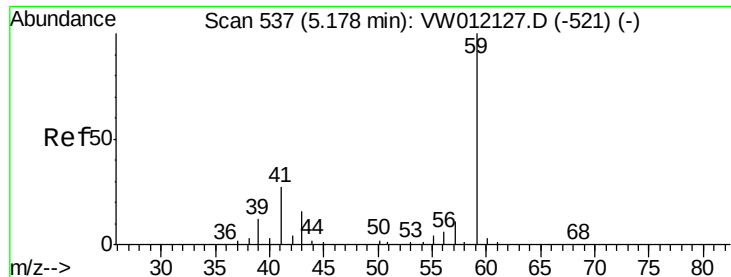


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

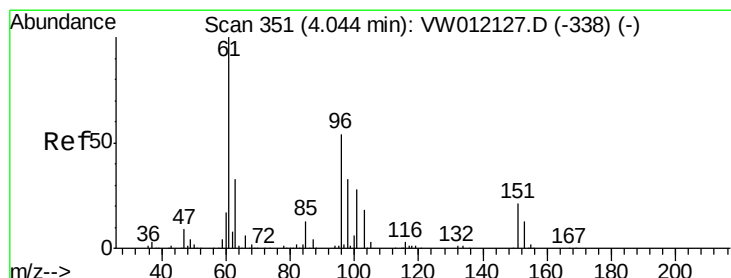
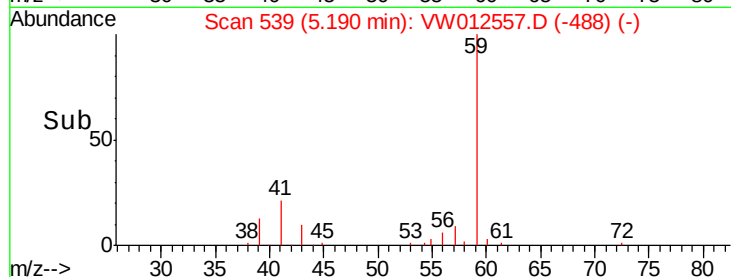
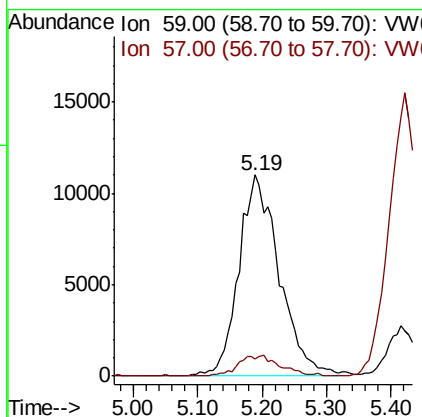
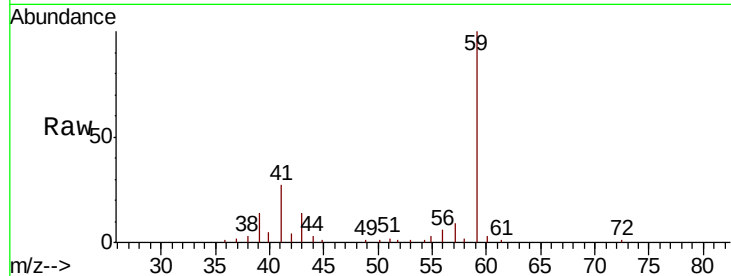




#11
Tert butyl alcohol
Concen: 300.090 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

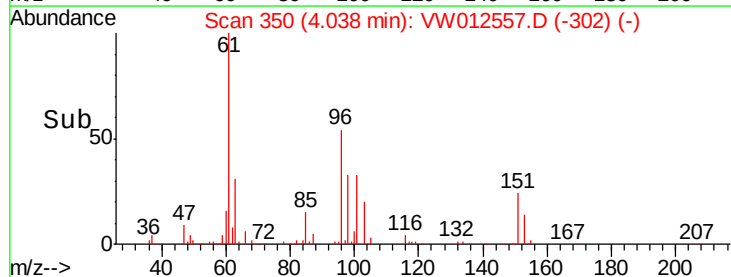
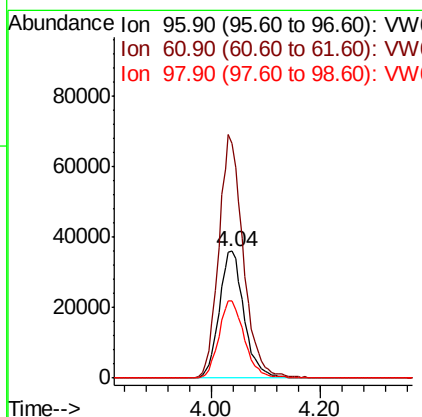
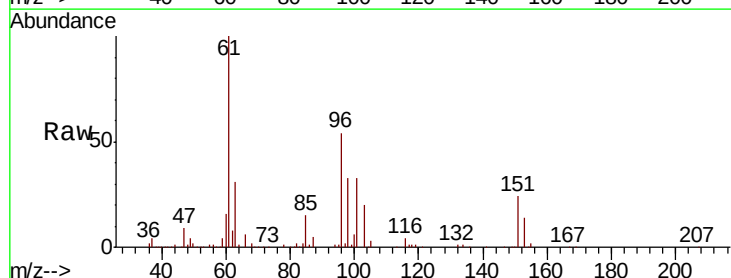
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

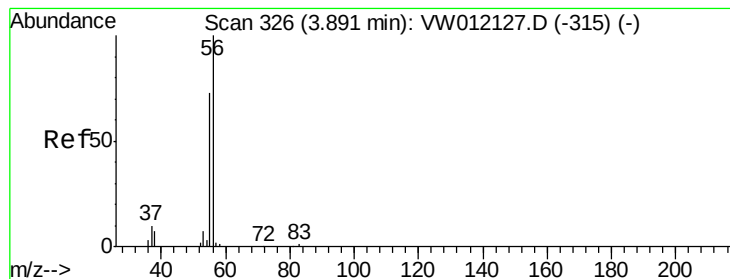
Tgt Ion: 59 Resp: 47778
Ion Ratio Lower Upper
59 100
57 4.9 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 51.212 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 96 Resp: 114321
Ion Ratio Lower Upper
96 100
61 185.1 149.1 223.7
98 60.7 49.4 74.2





#13

Acrolein

Concen: 364.596 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

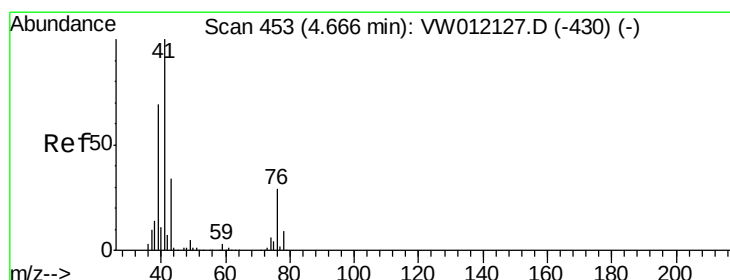
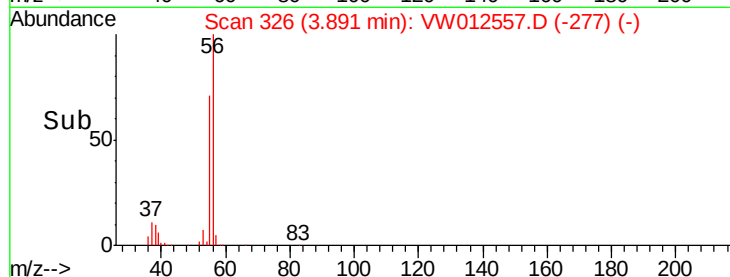
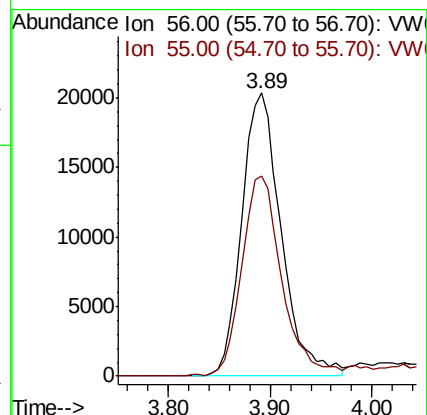
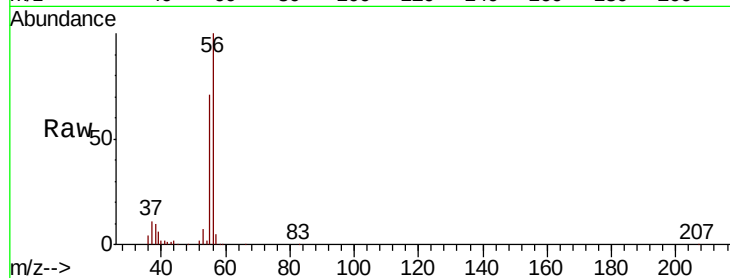
VSTDCCC050EC

Tgt Ion: 56 Resp: 54642

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8



#14

Allyl chloride

Concen: 51.863 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

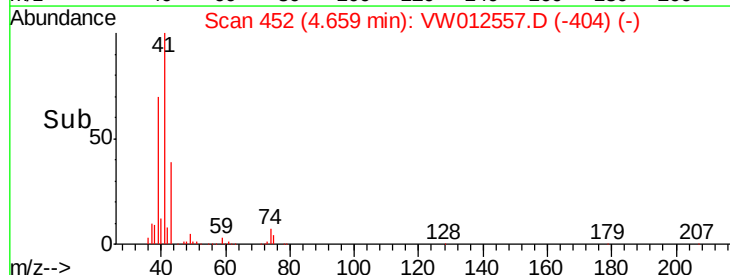
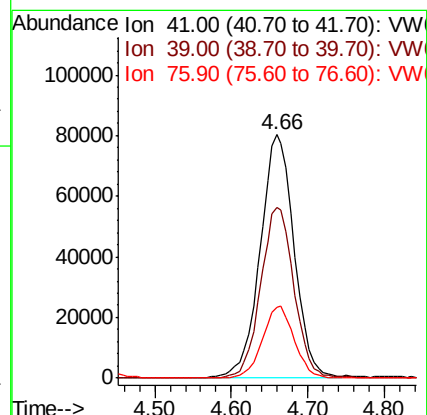
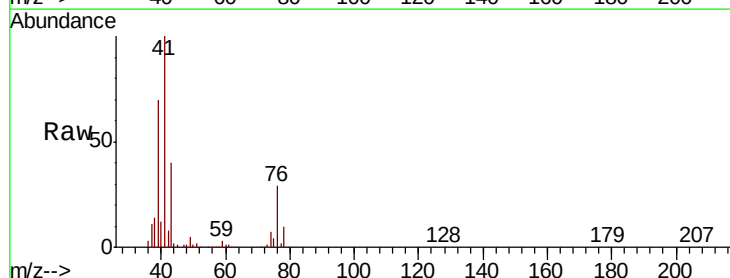
Tgt Ion: 41 Resp: 247511

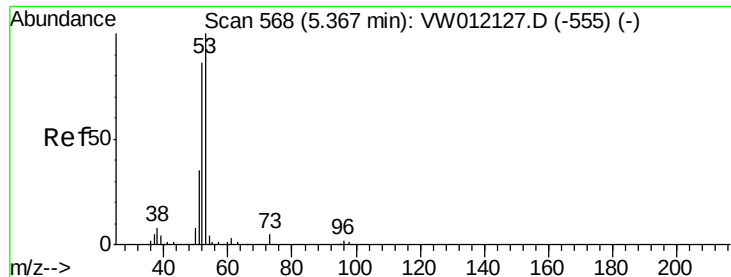
Ion Ratio Lower Upper

41 100

39 68.8 53.4 80.2

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 292.109 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

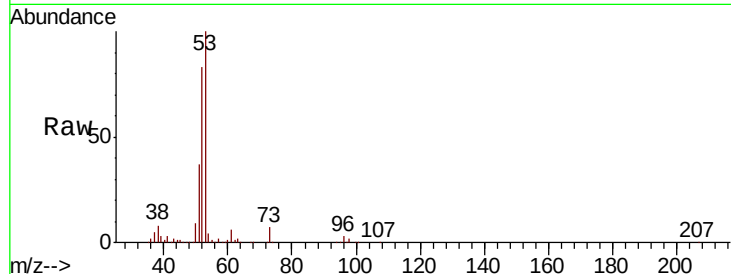
Tgt Ion: 53 Resp: 179320

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

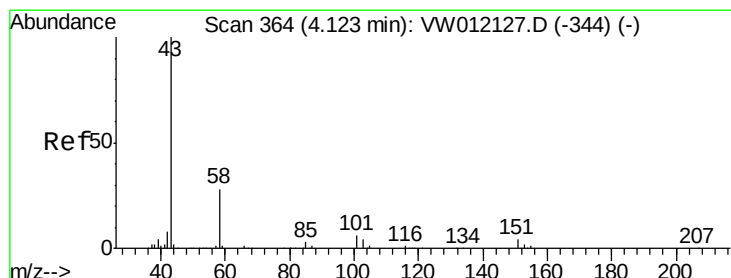
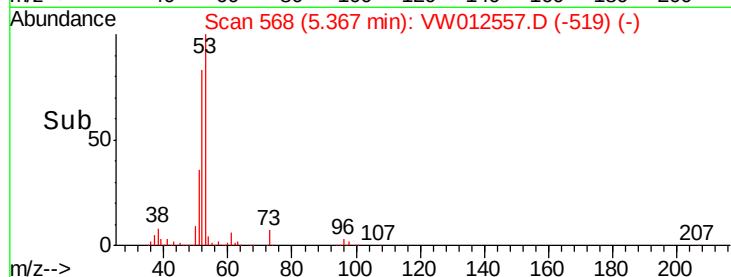
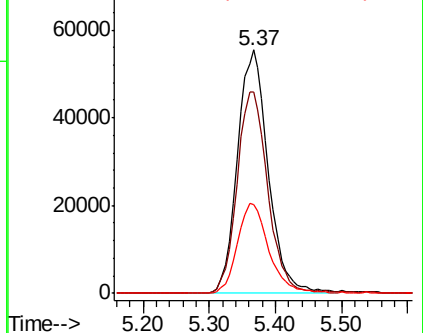
51 37.7 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 243.284 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012557.D

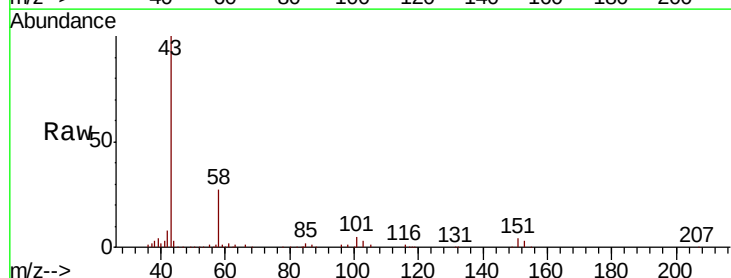
Acq: 03 Sep 2019 19:46

Tgt Ion: 43 Resp: 164527

Ion Ratio Lower Upper

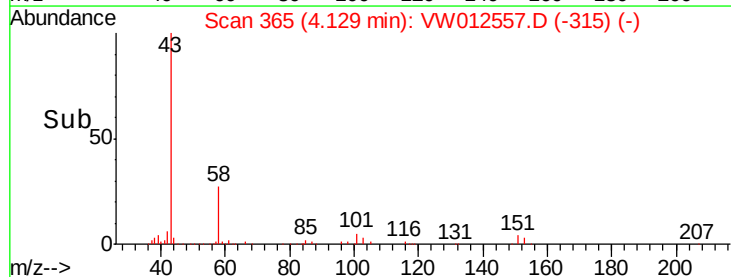
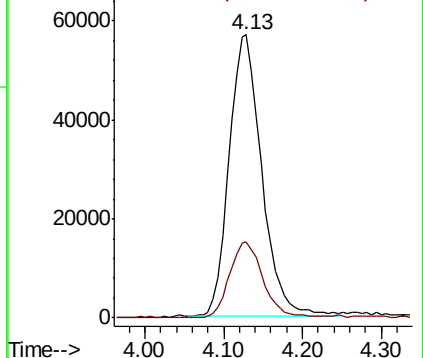
43 100

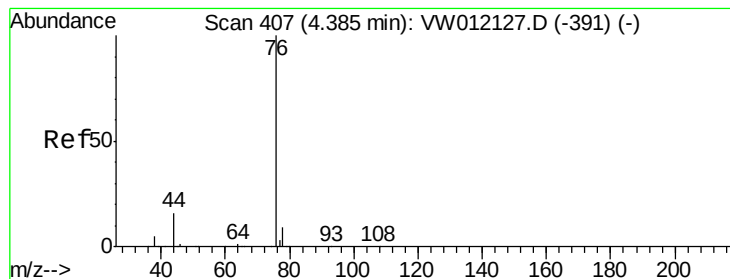
58 26.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 45.698 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

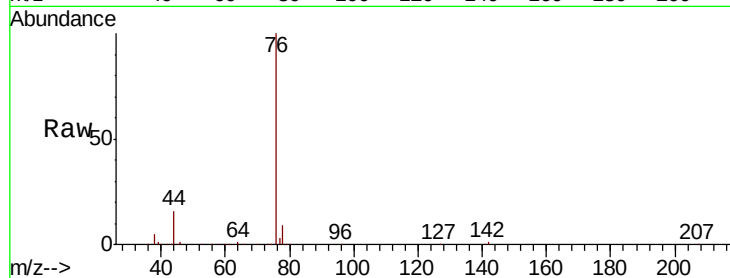
VSTDCCC050EC

Tgt Ion: 76 Resp: 308300

Ion Ratio Lower Upper

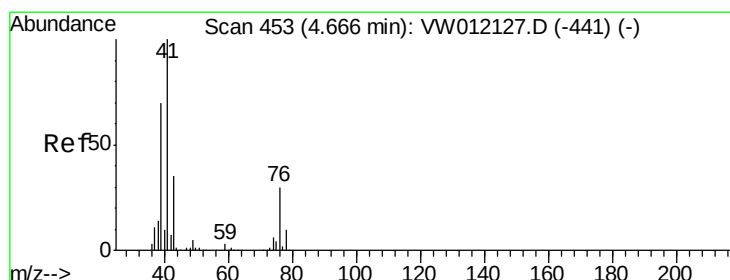
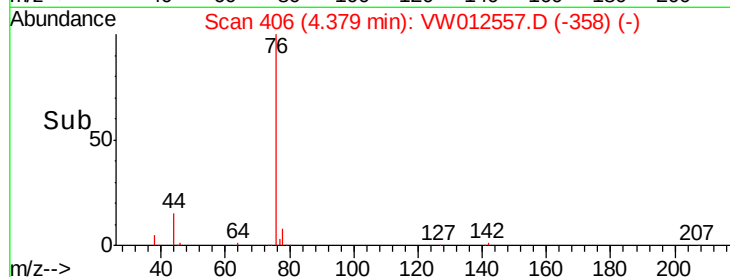
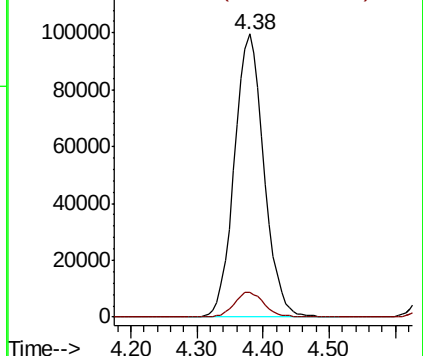
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 61.623 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012557.D

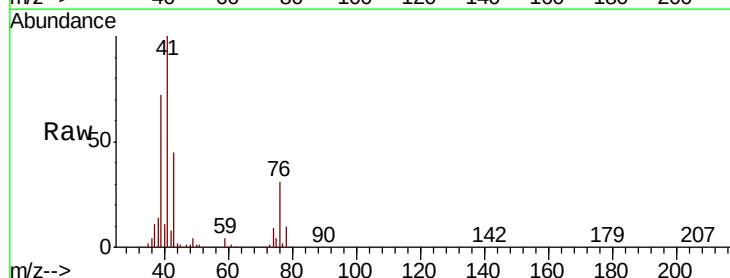
Acq: 03 Sep 2019 19:46

Tgt Ion: 43 Resp: 103220

Ion Ratio Lower Upper

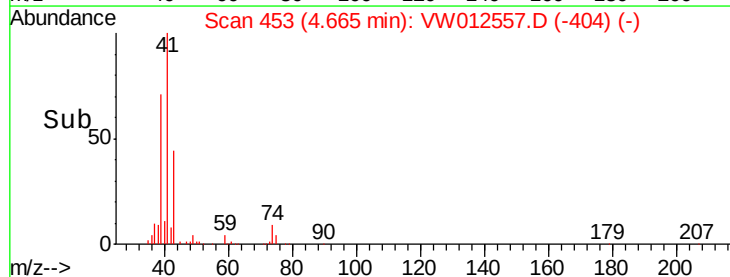
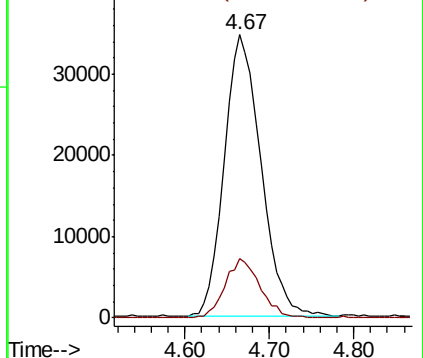
43 100

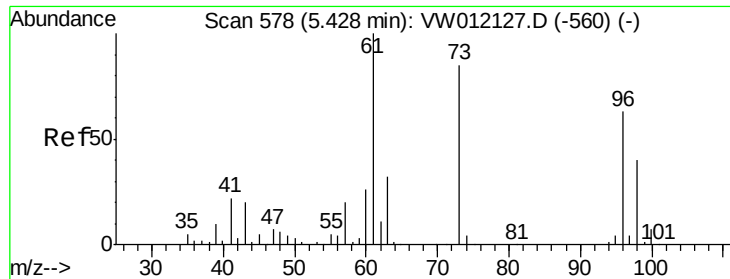
74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

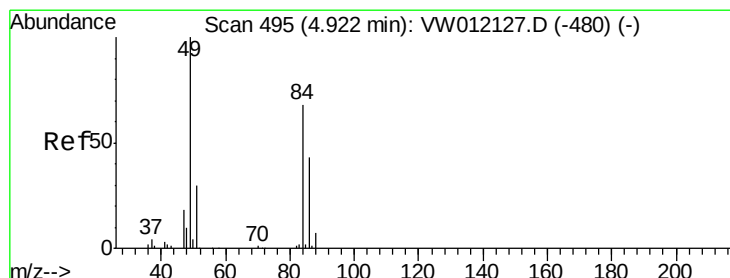
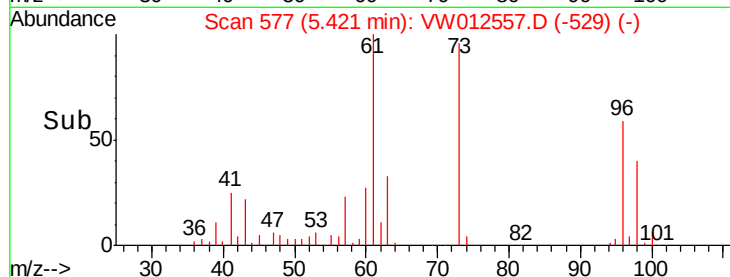
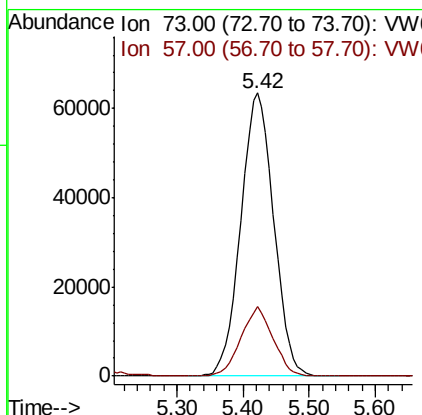
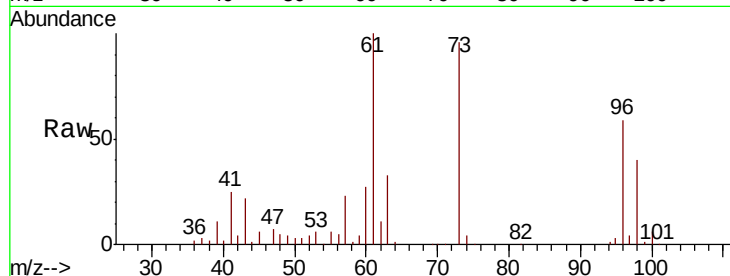




#19
Methyl tert-butyl Ether
Concen: 60.899 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

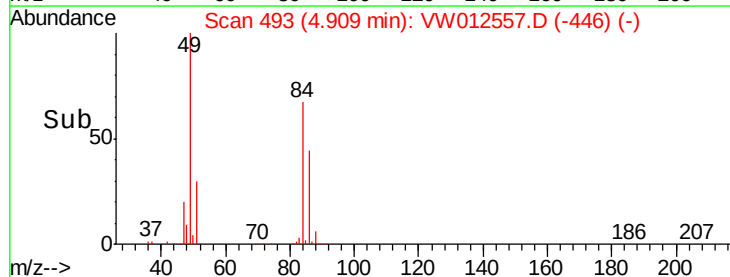
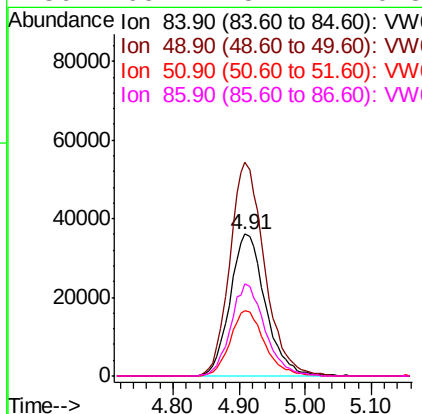
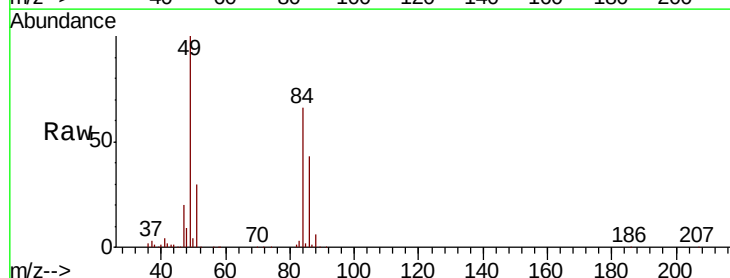
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

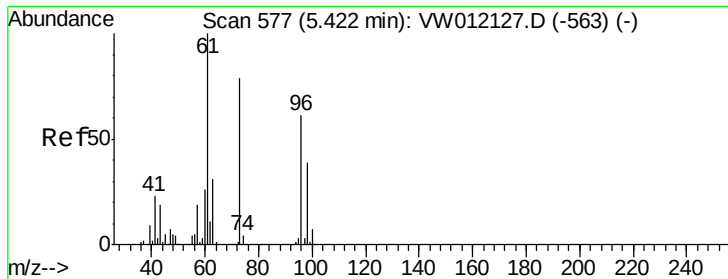
Tgt Ion: 73 Resp: 219845
Ion Ratio Lower Upper
73 100
57 24.4 18.9 28.3



#20
Methylene Chloride
Concen: 52.124 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 84 Resp: 133261
Ion Ratio Lower Upper
84 100
49 150.5 117.8 176.8
51 45.7 35.6 53.4
86 65.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 52.809 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

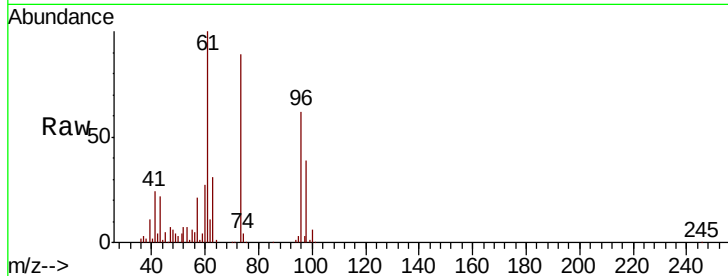
Tgt Ion: 96 Resp: 126415

Ion Ratio Lower Upper

96 100

61 161.4 131.4 197.0

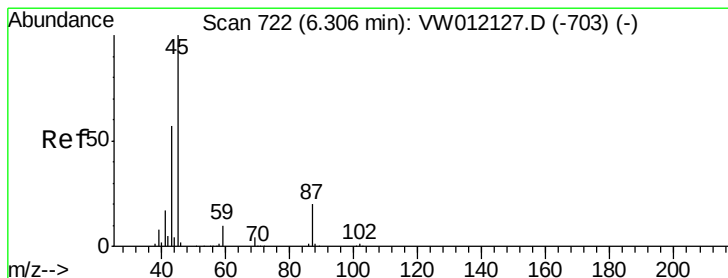
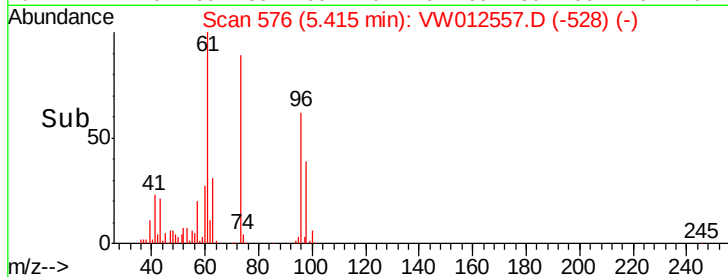
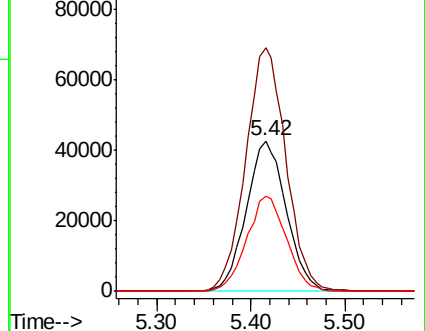
98 63.1 51.4 77.0



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: 56.187 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Tgt Ion: 45 Resp: 497036

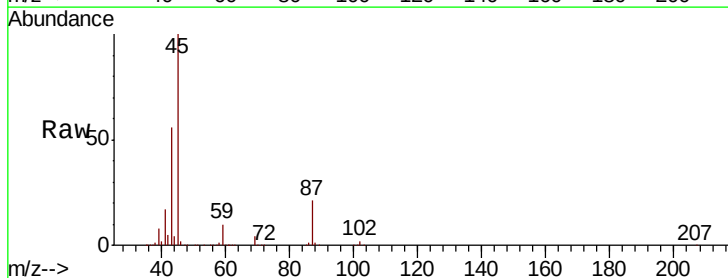
Ion Ratio Lower Upper

45 100

43 56.3 45.5 68.3

87 20.8 16.1 24.1

59 10.3 8.2 12.2

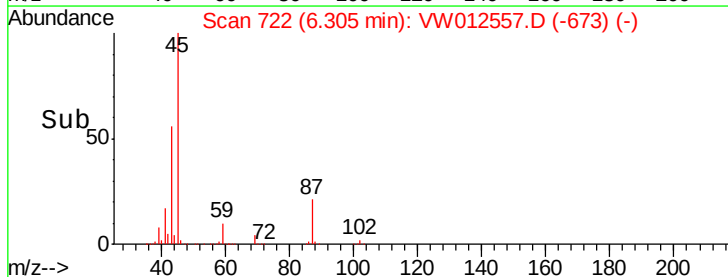
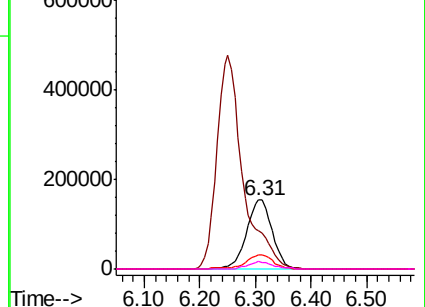


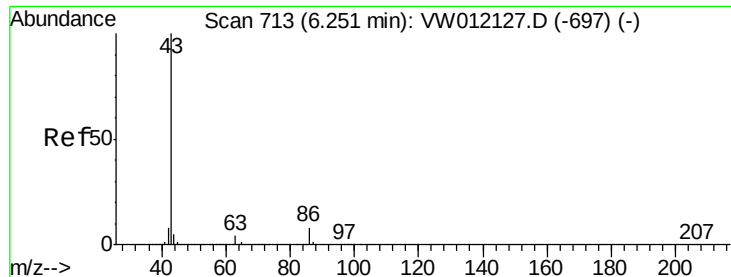
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 286.168 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

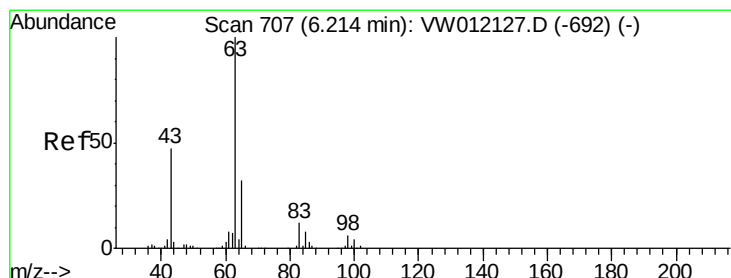
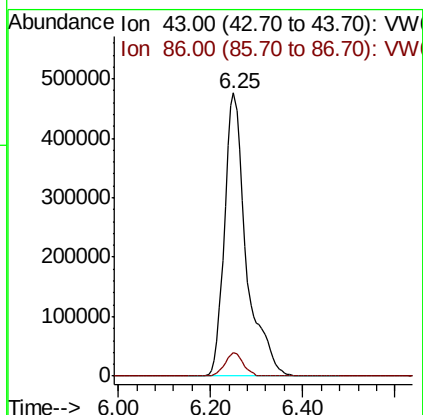
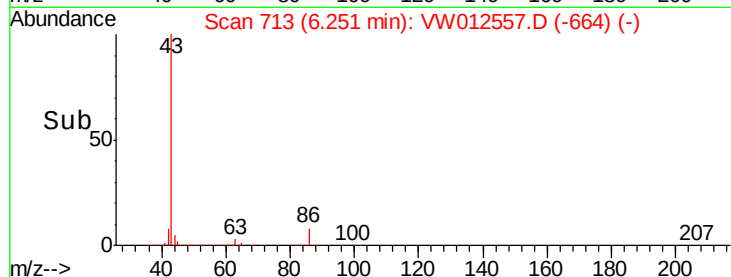
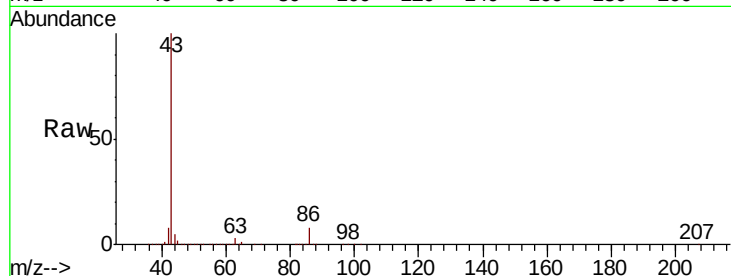
VSTDCCC050EC

Tgt Ion: 43 Resp: 1557896

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 54.508 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

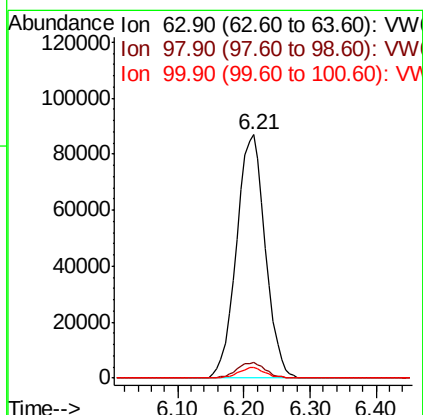
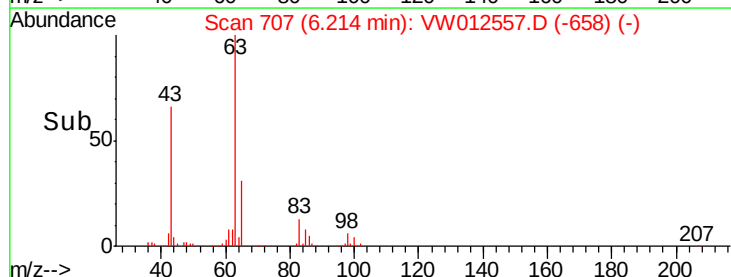
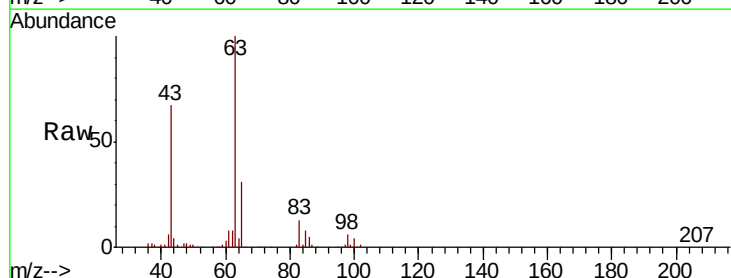
Tgt Ion: 63 Resp: 262537

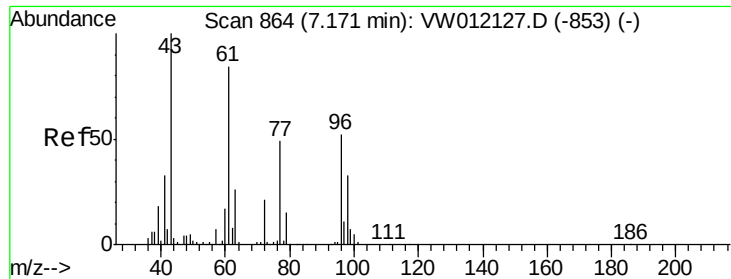
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 274.233 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

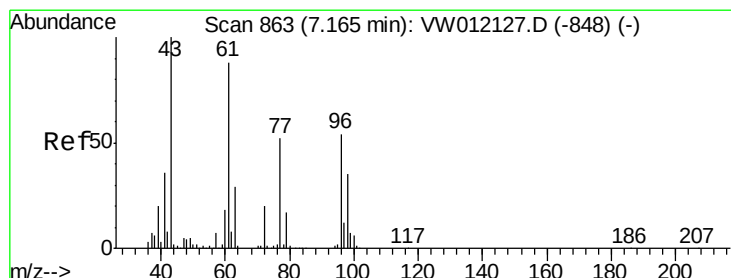
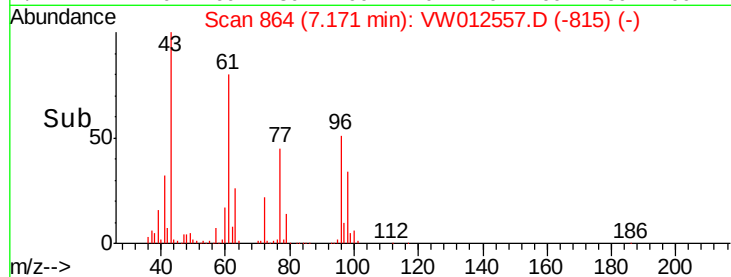
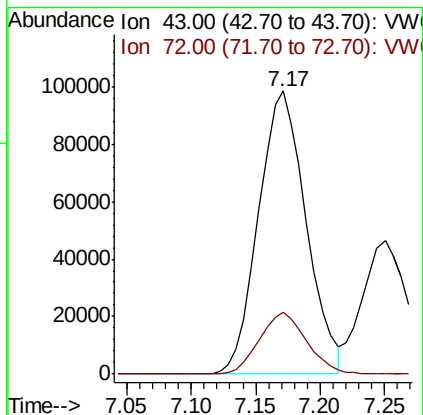
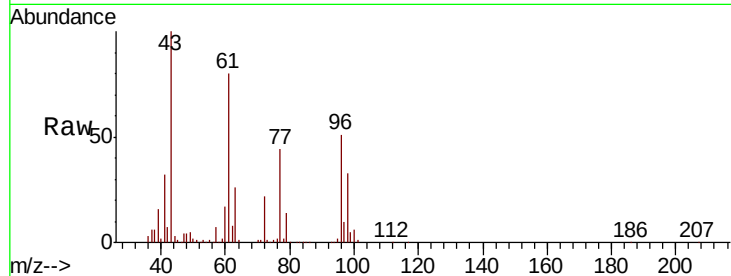
VSTDCCC050EC

Tgt Ion: 43 Resp: 252015

Ion Ratio Lower Upper

43 100

72 22.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 52.205 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012557.D

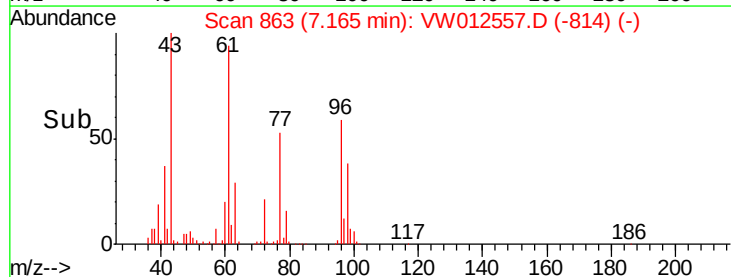
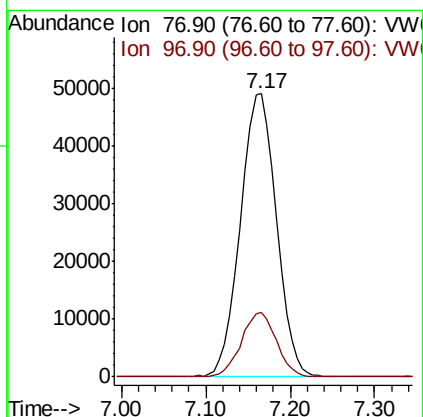
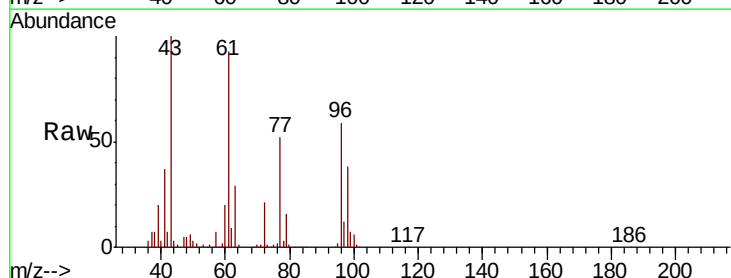
Acq: 03 Sep 2019 19:46

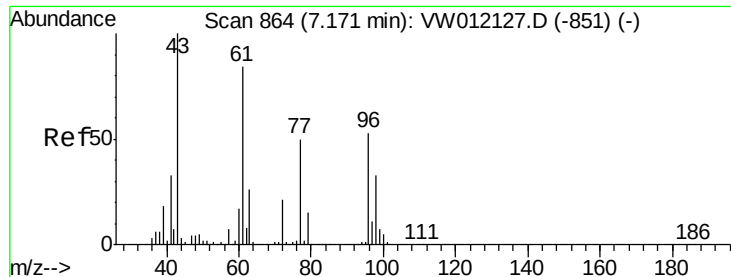
Tgt Ion: 77 Resp: 142321

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1



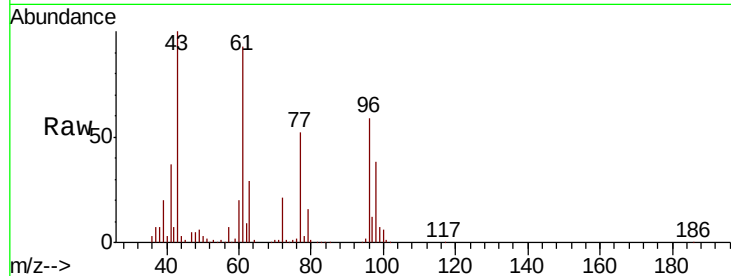


#27

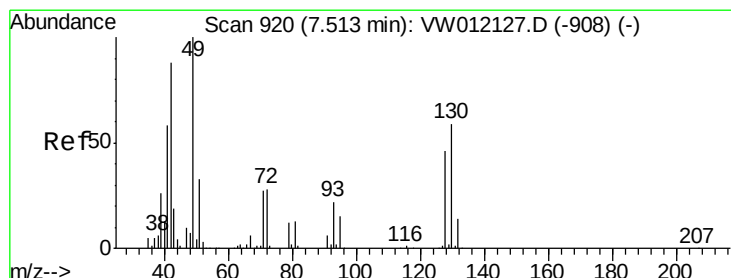
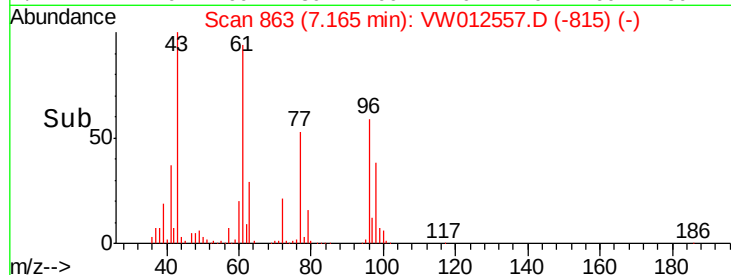
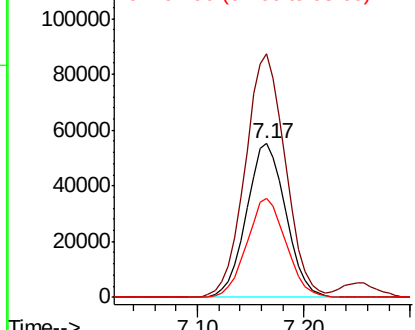
cis-1,2-Dichloroethene
Concen: 56.042 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 143332
Ion Ratio Lower Upper
96 100
61 161.3 0.0 326.6
98 64.2 0.0 127.4



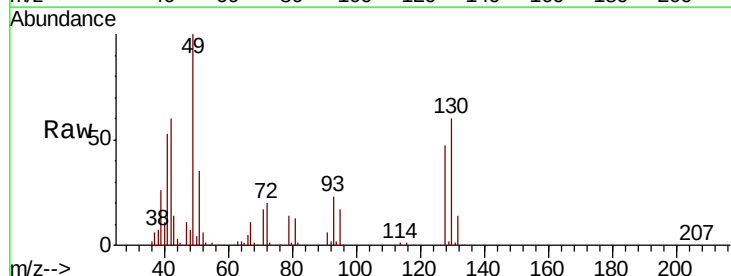
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



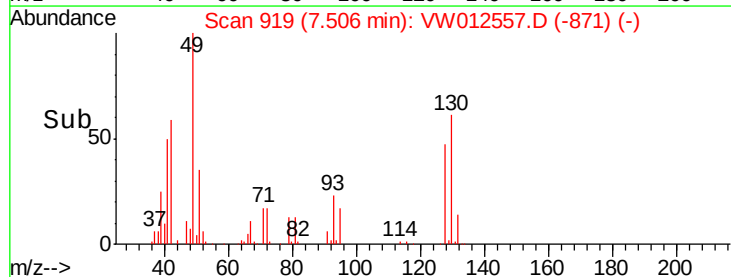
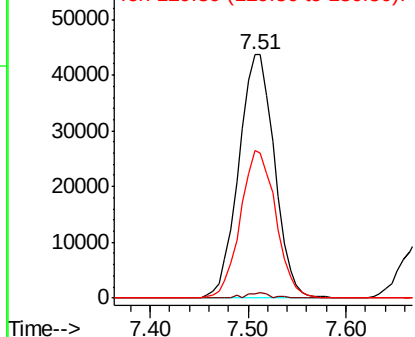
#28

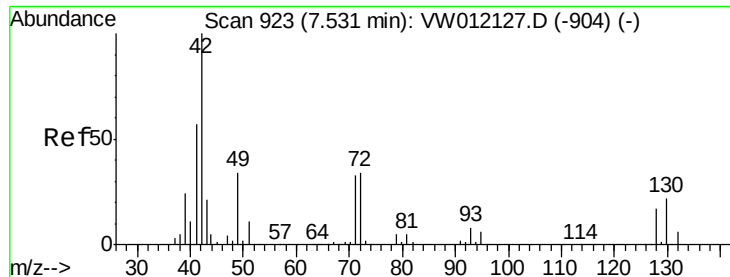
Bromochloromethane
Concen: 52.985 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 49 Resp: 111231
Ion Ratio Lower Upper
49 100
129 1.5 0.0 1.4#
130 59.7 45.5 68.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 297.089 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

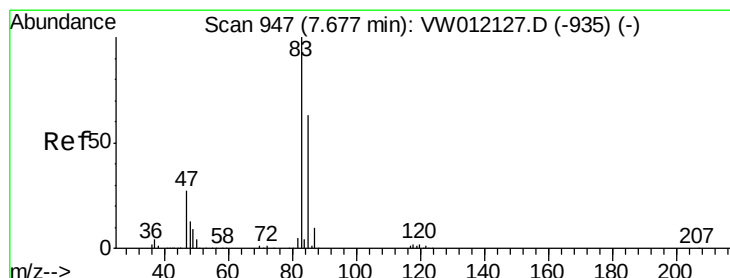
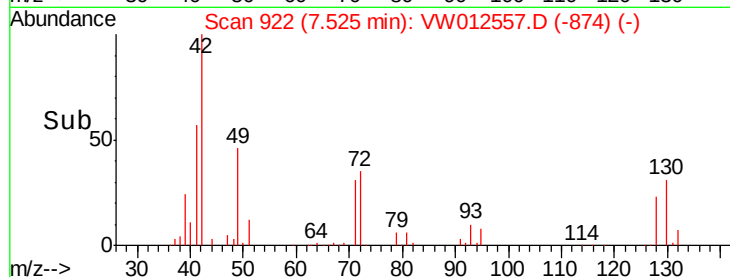
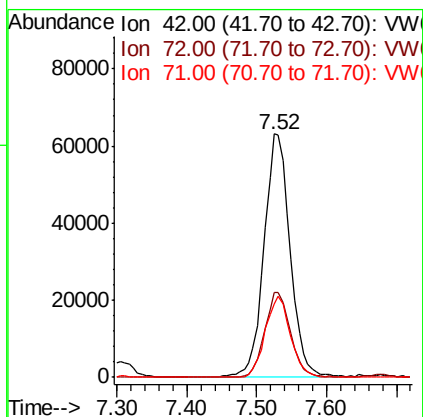
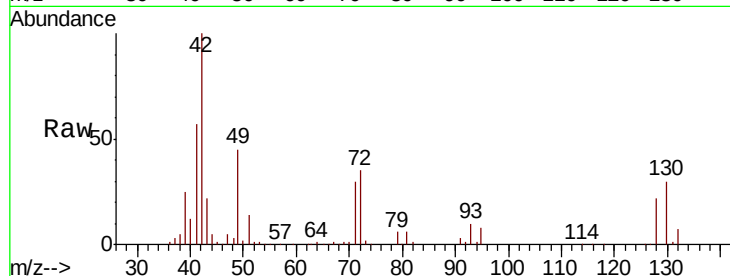
Tgt Ion: 42 Resp: 163800

Ion Ratio Lower Upper

42 100

72 34.8 27.3 40.9

71 32.5 25.5 38.3



#30

Chloroform

Concen: 57.090 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012557.D

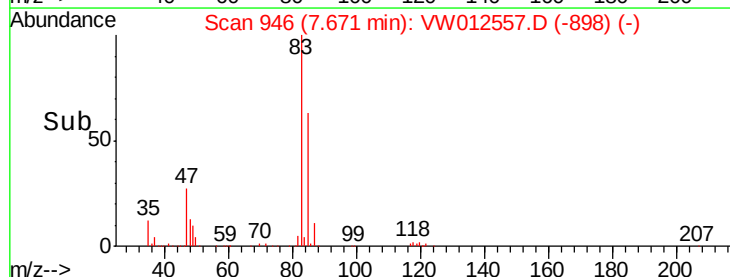
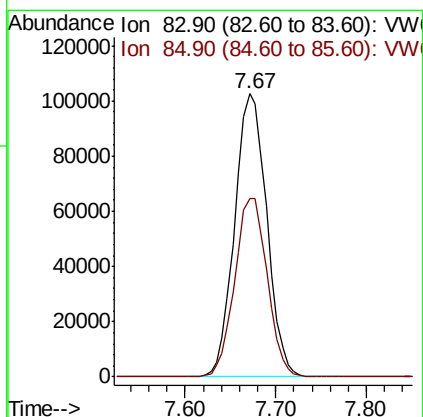
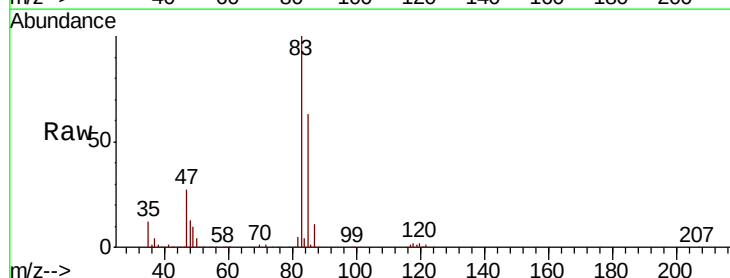
Acq: 03 Sep 2019 19:46

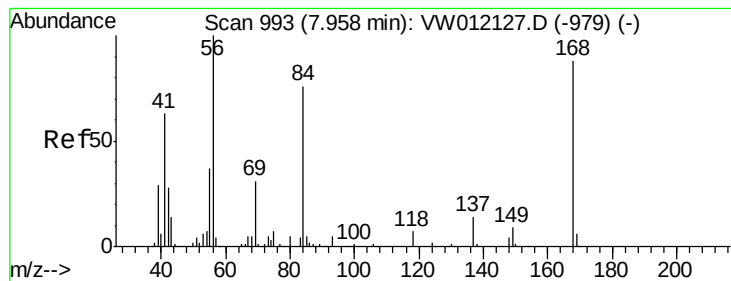
Tgt Ion: 83 Resp: 251573

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0





#31

Cyclohexane

Concen: 46.669 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

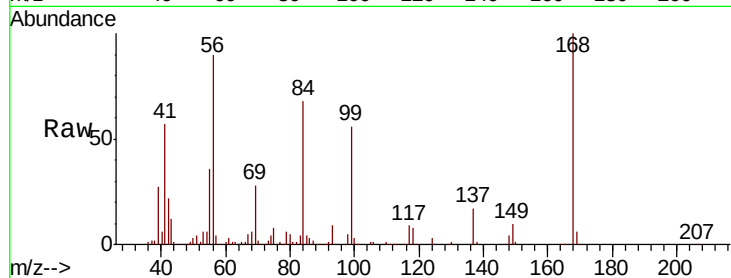
Tgt Ion: 56 Resp: 222393

Ion Ratio Lower Upper

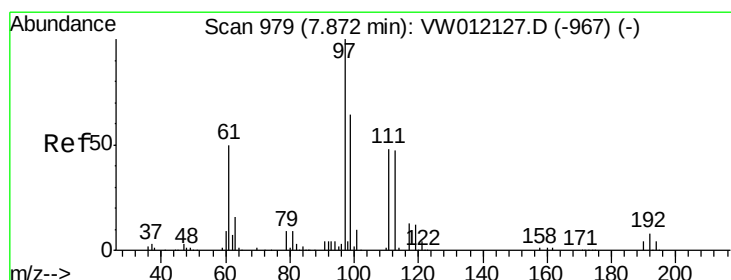
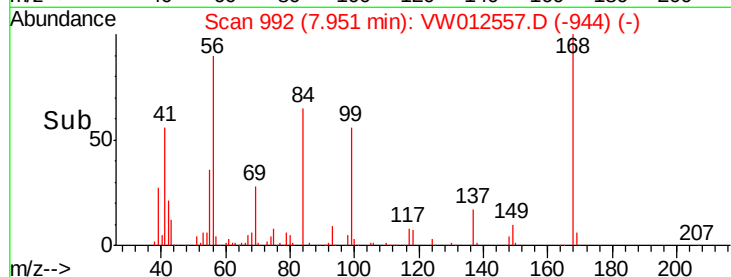
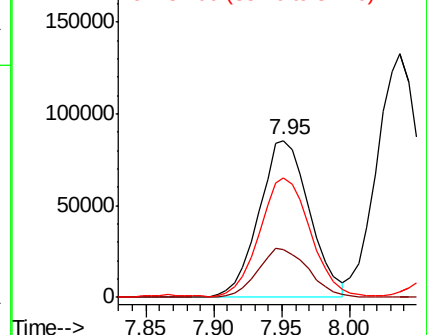
56 100

69 30.7 24.9 37.3

84 74.9 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: 55.088 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

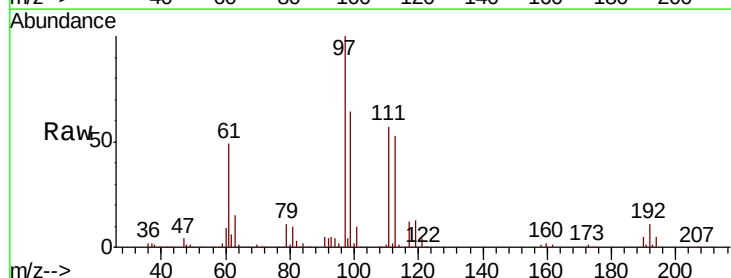
Tgt Ion: 97 Resp: 192034

Ion Ratio Lower Upper

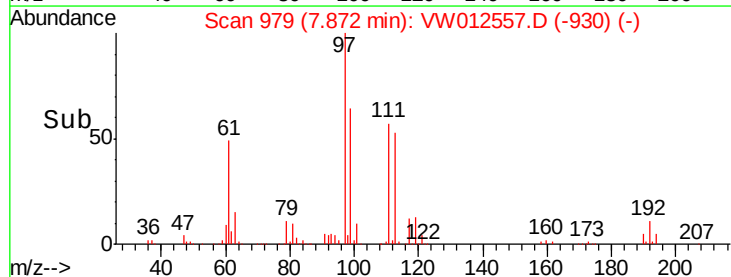
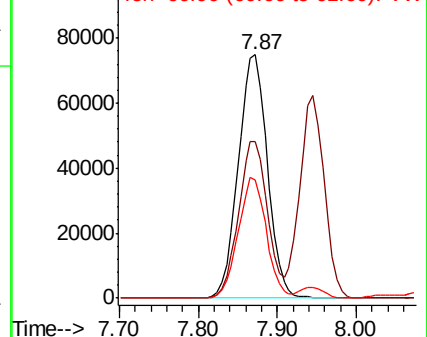
97 100

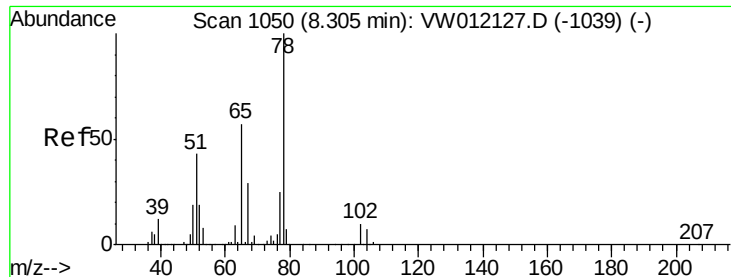
99 64.6 51.4 77.0

61 48.1 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

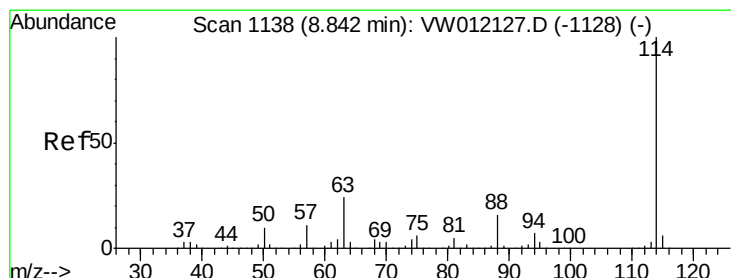
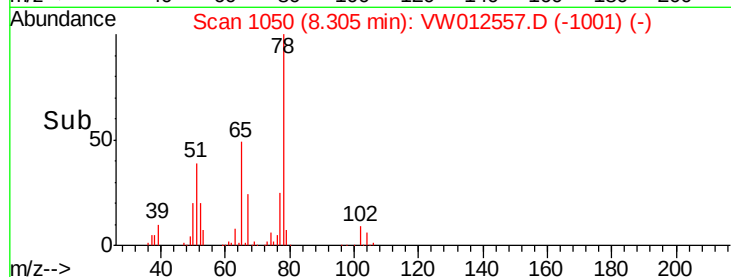
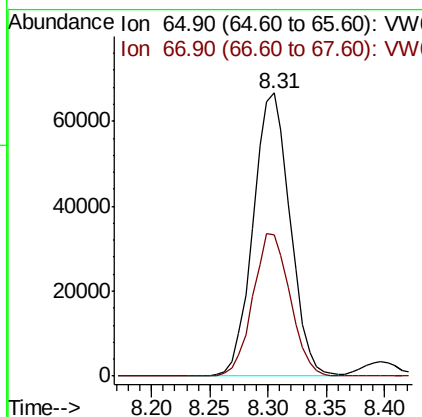
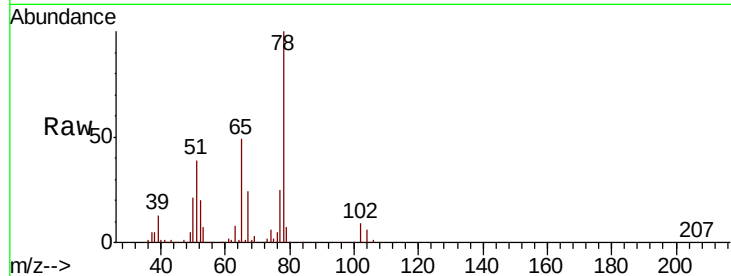




#33
 1,2-Dichloroethane-d4
 Concen: 55.349 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

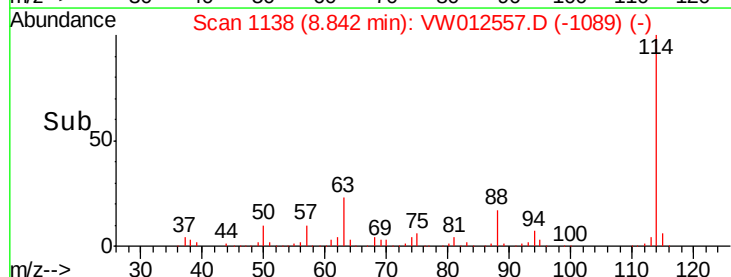
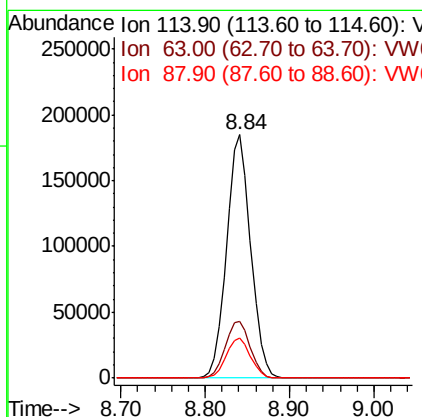
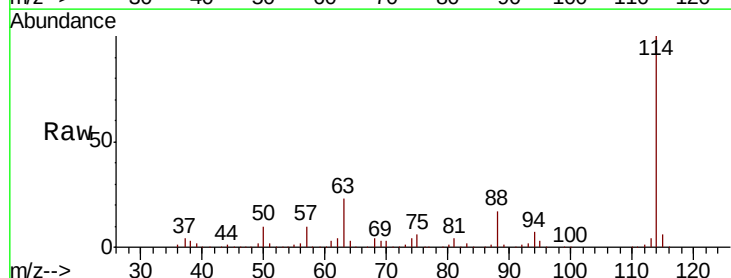
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

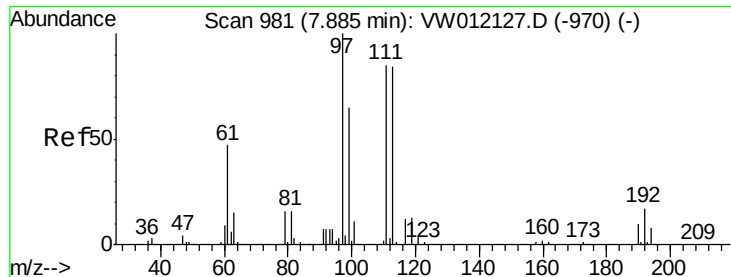
Tgt Ion: 65 Resp: 146432
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion: 114 Resp: 358738
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 16.5 0.0 32.2

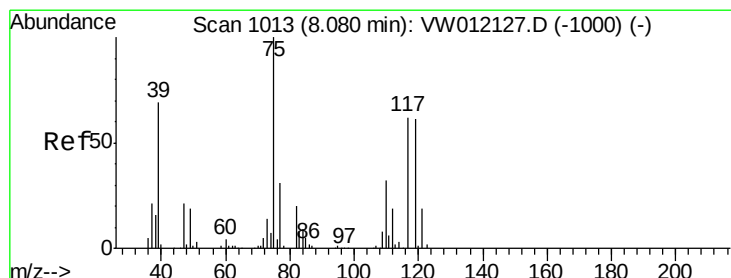
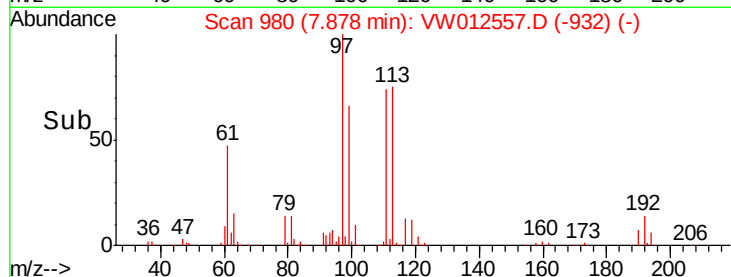
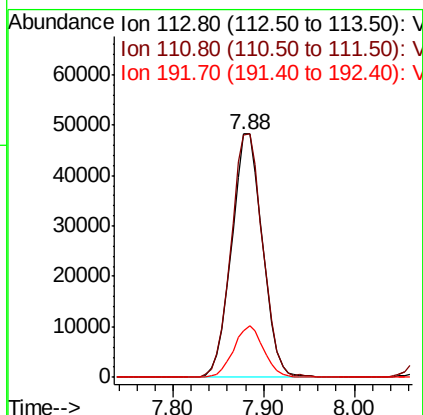
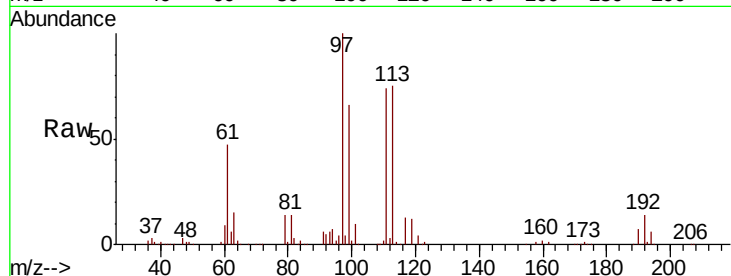




#35
 Dibromofluoromethane
 Concen: 53.224 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

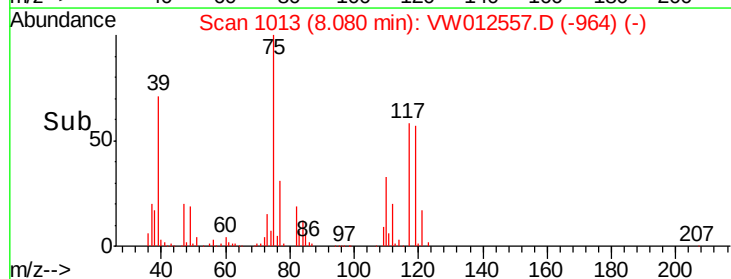
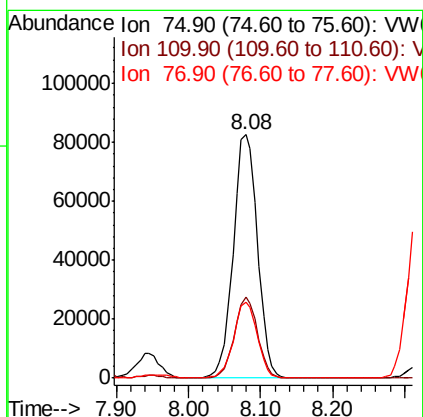
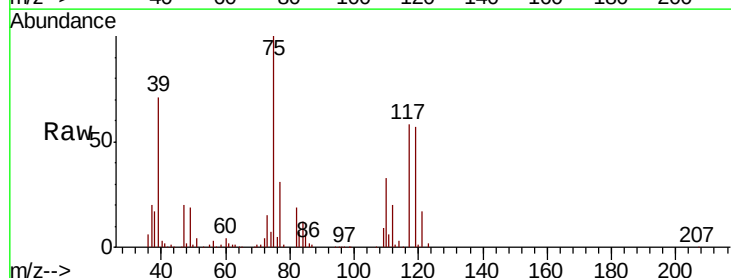
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

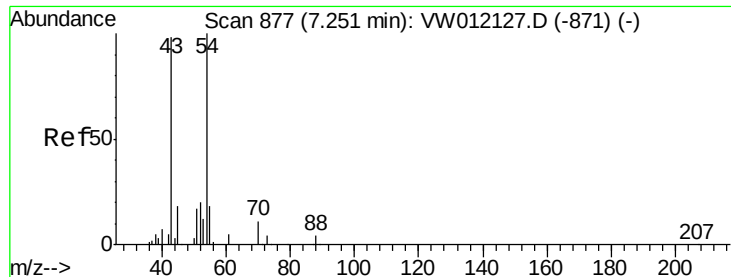
Tgt Ion: 113 Resp: 113970
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.7 124.1
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 52.027 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion: 75 Resp: 192870
 Ion Ratio Lower Upper
 75 100
 110 31.9 15.6 46.8
 77 30.5 24.6 36.8

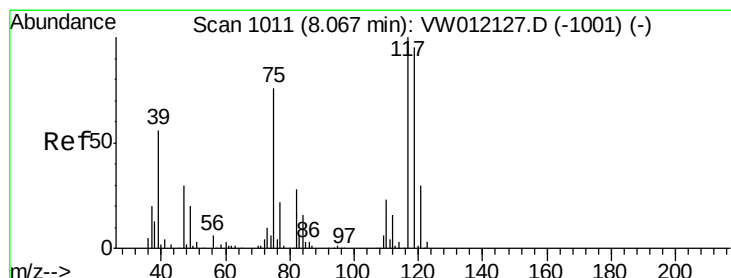
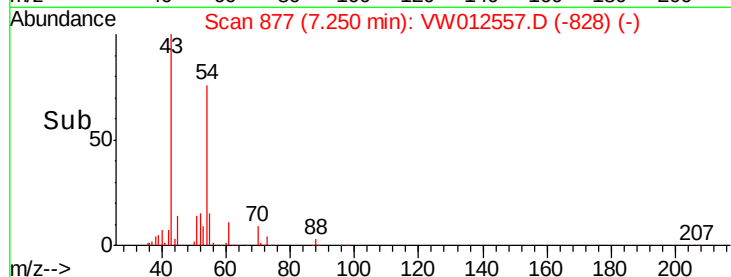
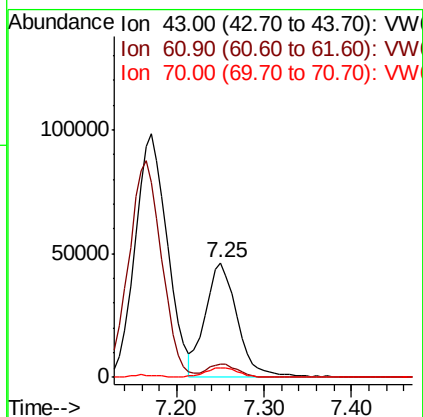
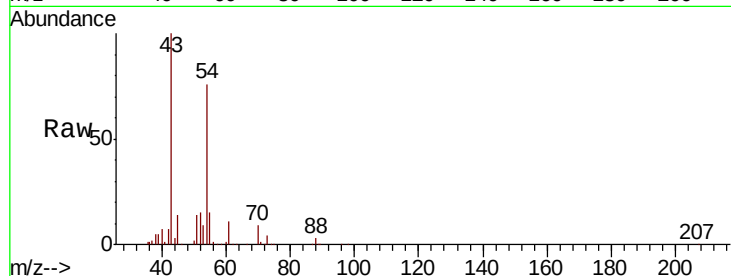




#37
Ethyl Acetate
Concen: 57.469 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

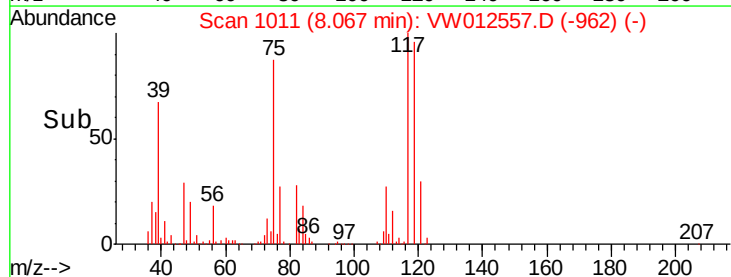
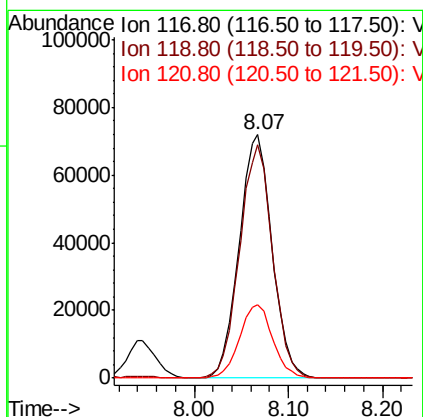
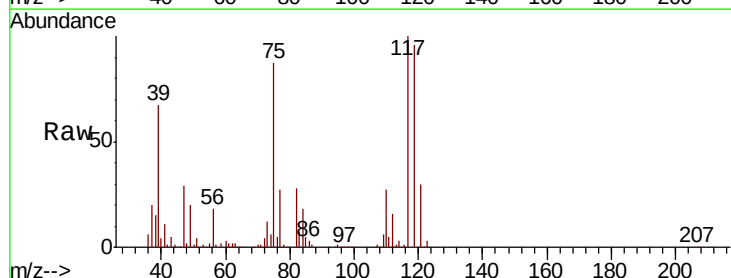
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

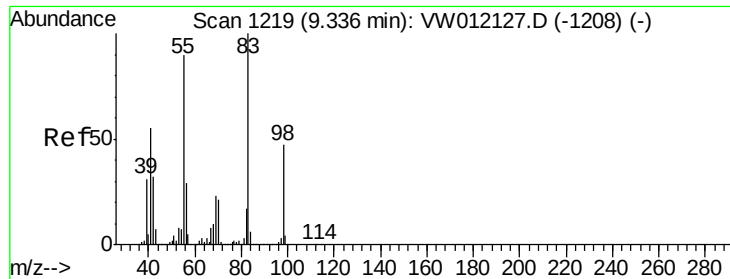
Tgt Ion: 43 Resp: 116746
Ion Ratio Lower Upper
43 100
61 11.0 9.2 13.8
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 54.826 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 117 Resp: 175917
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2
121 30.1 23.8 35.8

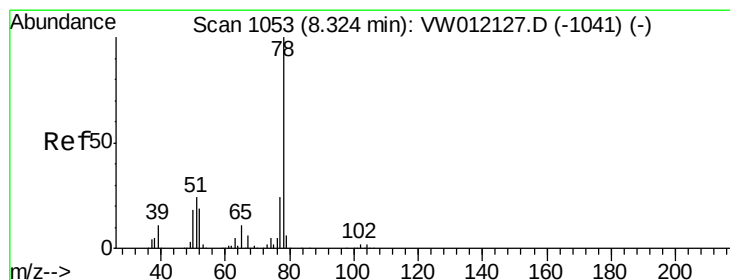
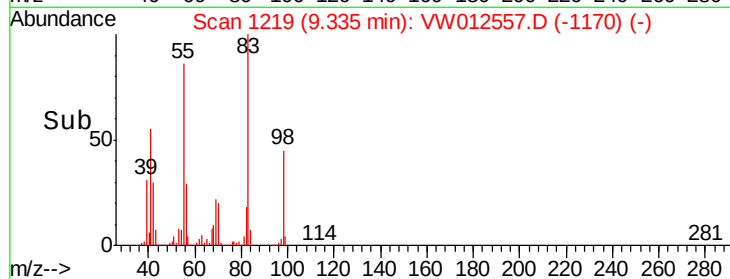
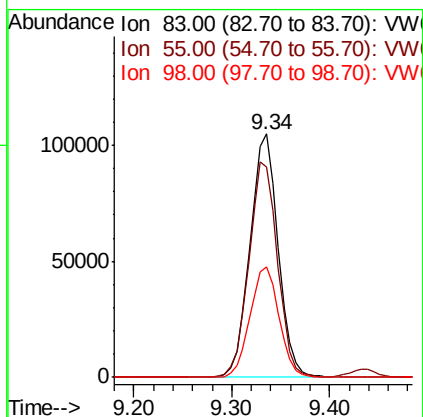
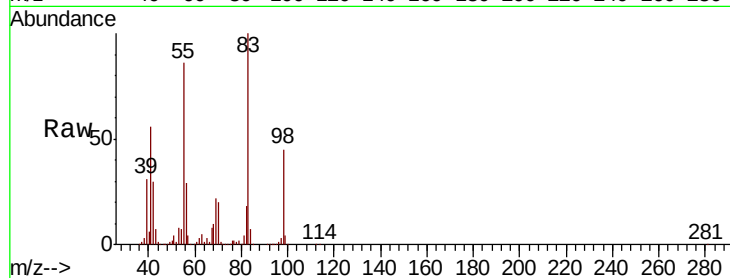




#39
Methylcyclohexane
Concen: 50.486 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

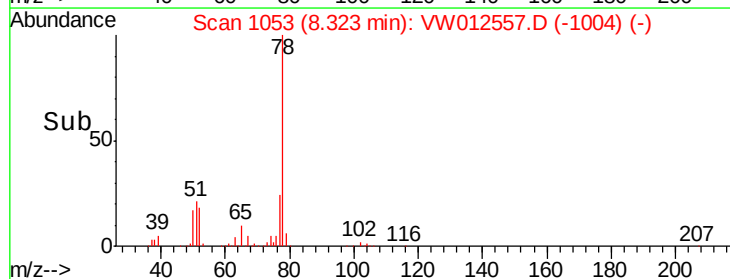
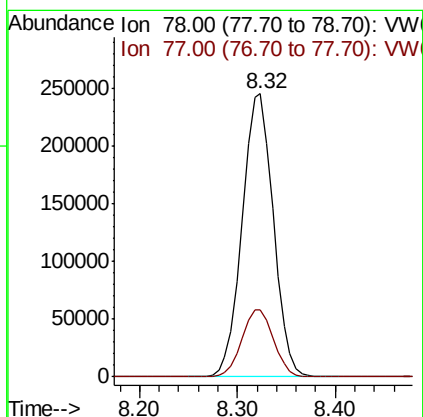
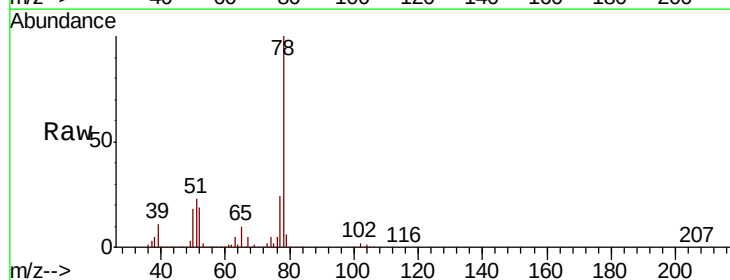
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

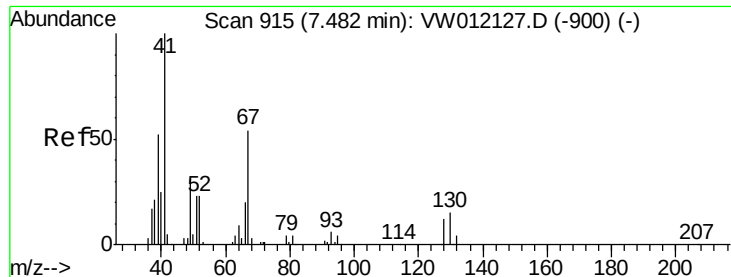
Tgt Ion: 83 Resp: 210259
Ion Ratio Lower Upper
83 100
55 86.3 71.8 107.8
98 45.2 37.8 56.8



#40
Benzene
Concen: 53.734 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 78 Resp: 543925
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3

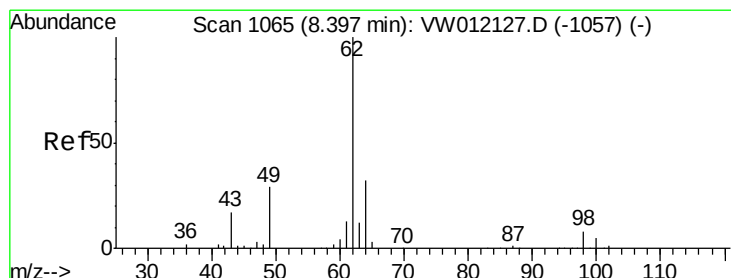
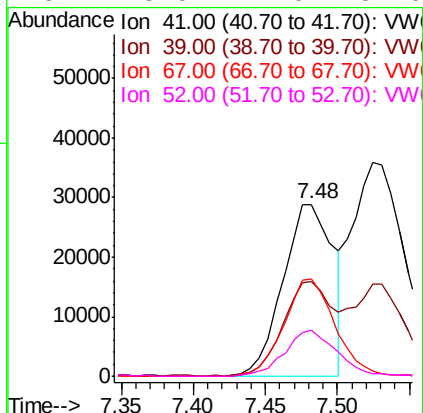
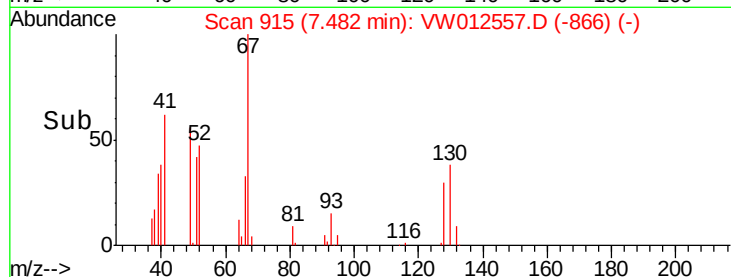
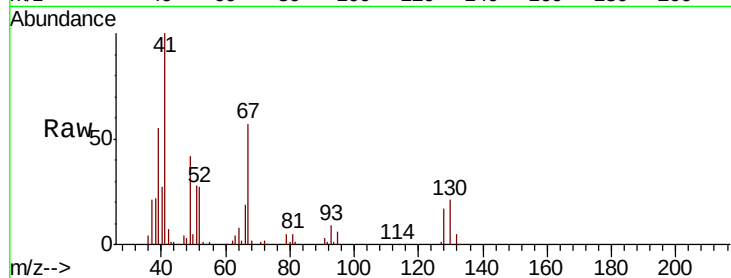




#41
Methacrylonitrile
Concen: 58.675 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

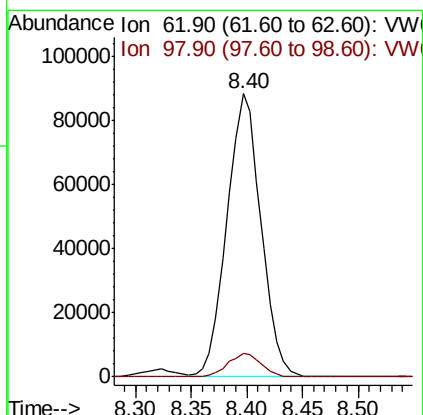
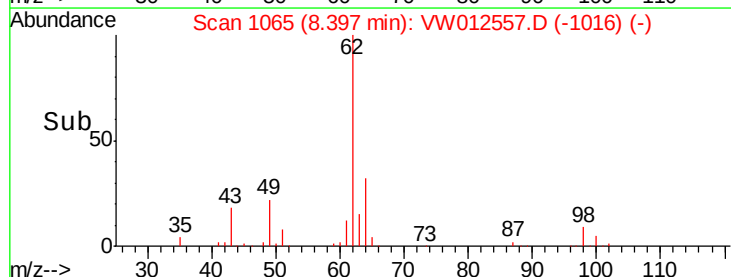
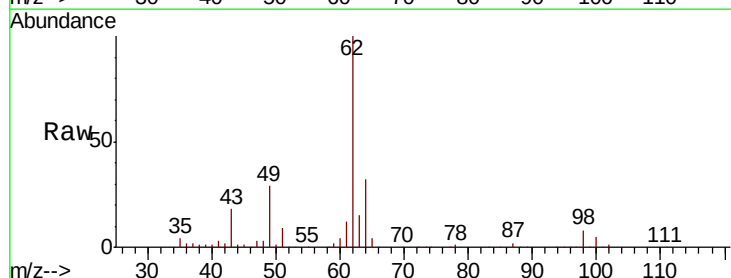
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

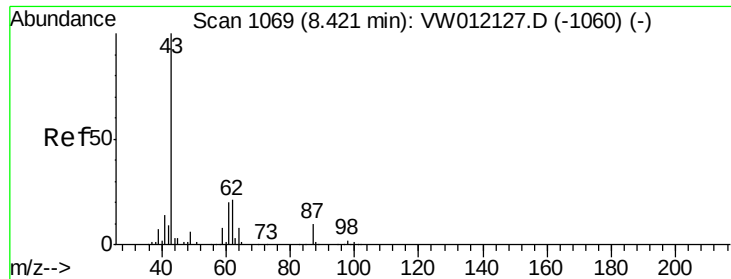
Tgt Ion:	41	Resp:	70056
Ion	Ratio	Lower	Upper
41	100		
39	54.0	45.8	68.8
67	57.8	46.2	69.4
52	28.0	21.0	31.6



#42
1,2-Dichloroethane
Concen: 58.894 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion:	62	Resp:	186843
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 57.879 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

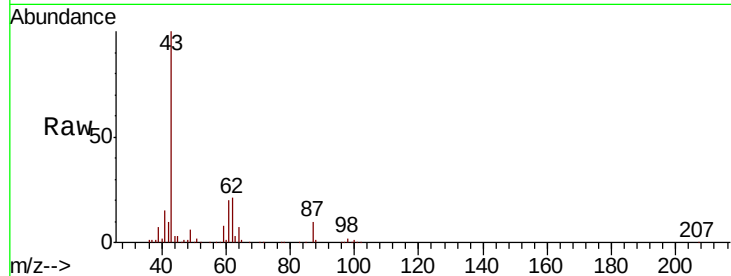
Tgt Ion: 43 Resp: 217793

Ion Ratio Lower Upper

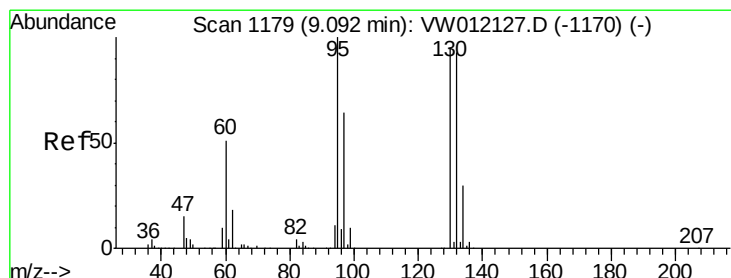
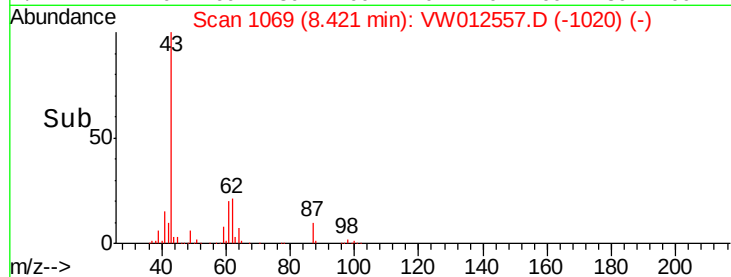
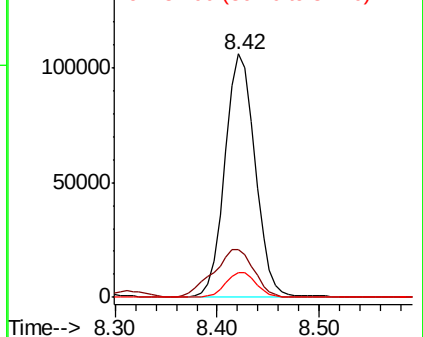
43 100

61 26.2 21.1 31.7

87 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 54.089 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012557.D

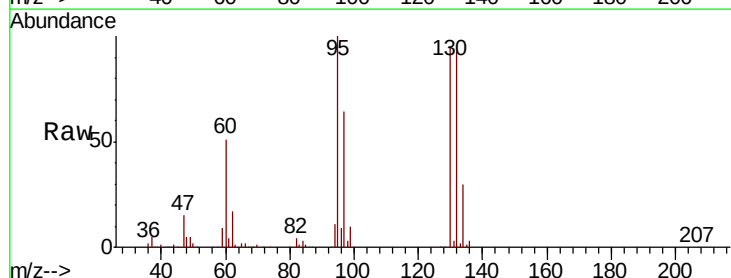
Acq: 03 Sep 2019 19:46

Tgt Ion: 130 Resp: 133101

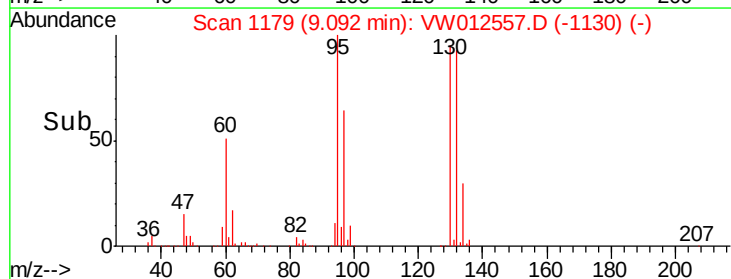
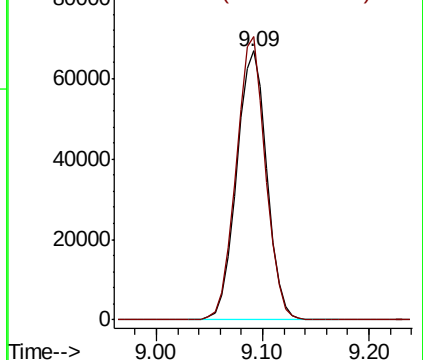
Ion Ratio Lower Upper

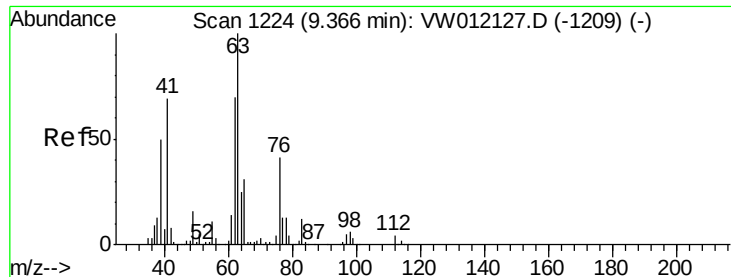
130 100

95 105.1 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

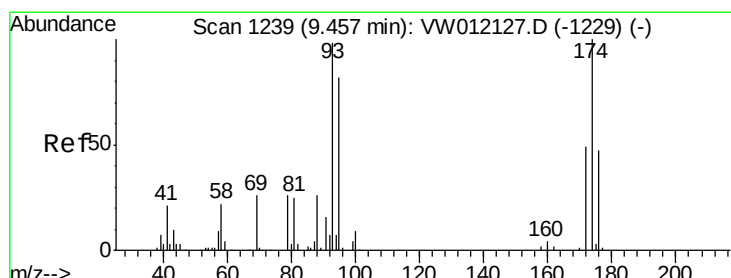
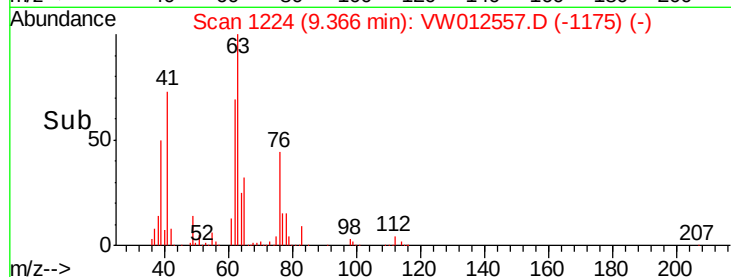
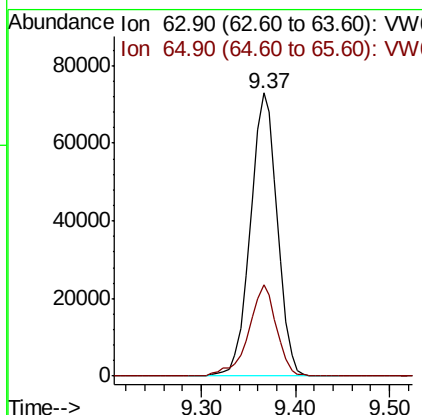
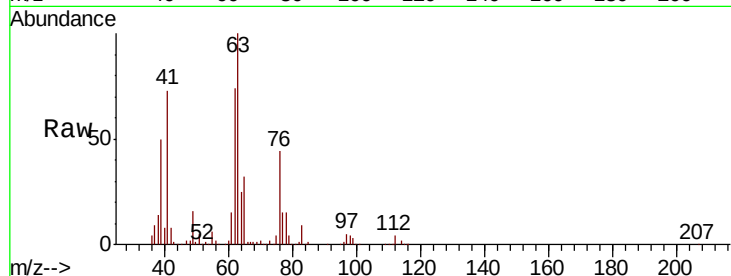




#45
 1,2-Dichloropropane
 Concen: 53.768 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

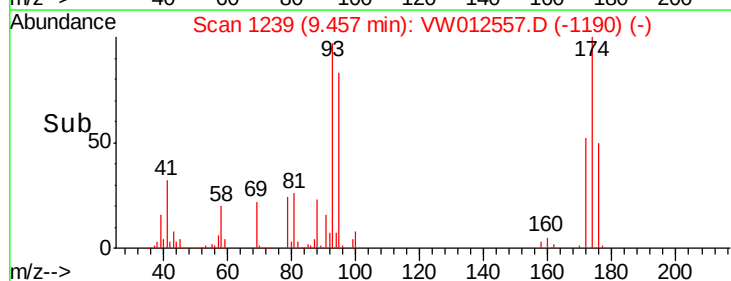
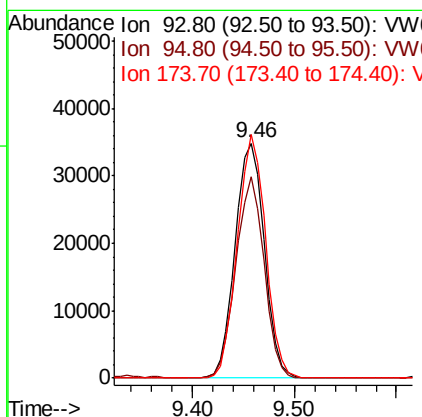
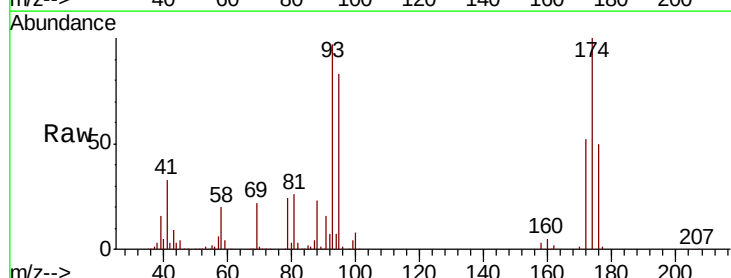
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

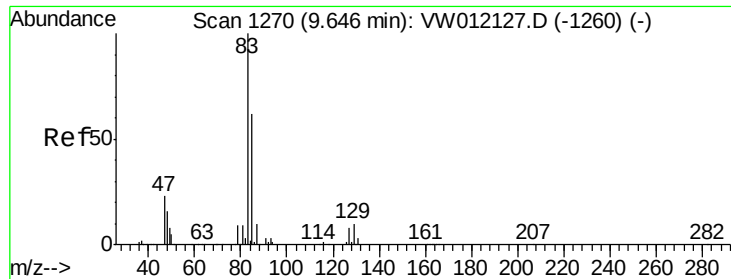
Tgt Ion: 63 Resp: 146479
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.4



#46
 Dibromomethane
 Concen: 56.963 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion: 93 Resp: 69046
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 100.6 79.0 118.6





#47

Bromodichloromethane

Concen: 57.024 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

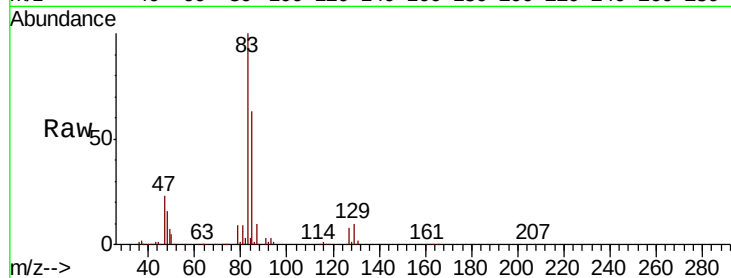
Tgt Ion: 83 Resp: 183958

Ion Ratio Lower Upper

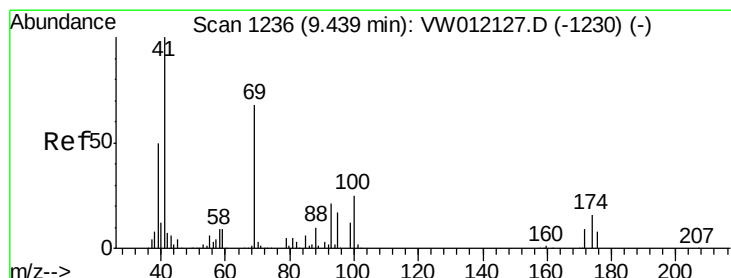
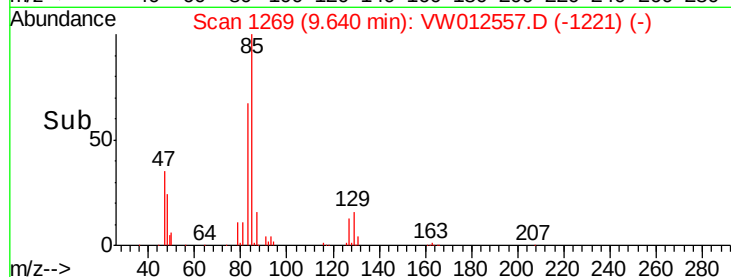
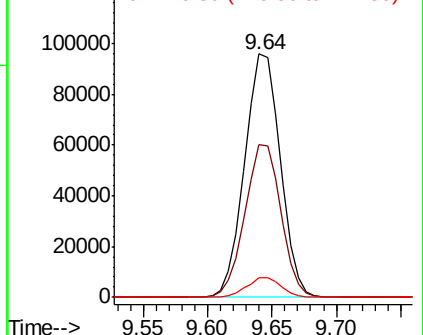
83 100

85 62.9 49.4 74.2

127 8.2 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: 58.377 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

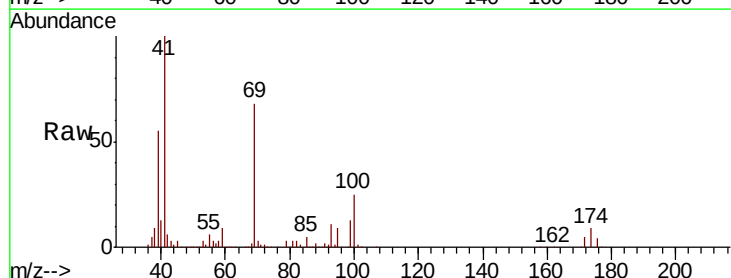
Tgt Ion: 41 Resp: 104551

Ion Ratio Lower Upper

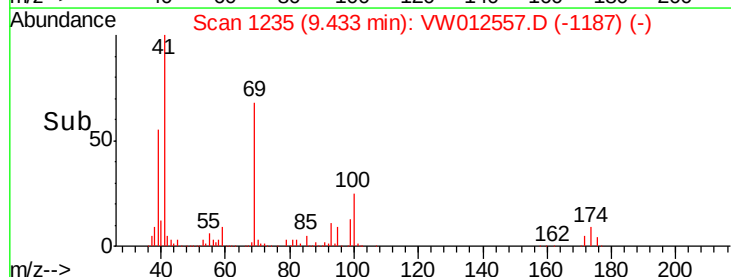
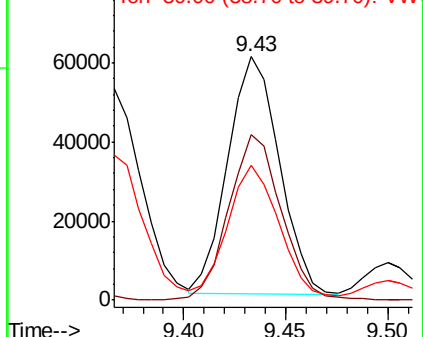
41 100

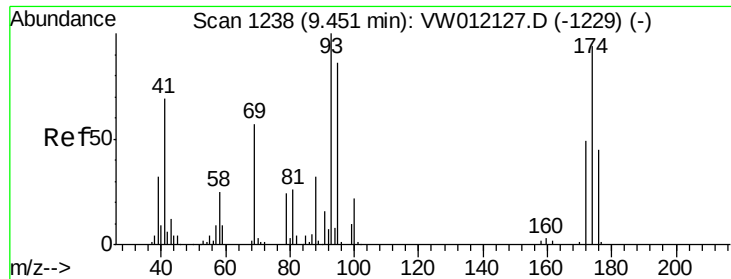
69 72.1 56.7 85.1

39 58.1 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

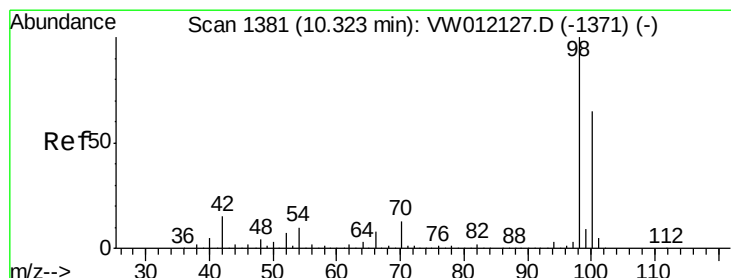
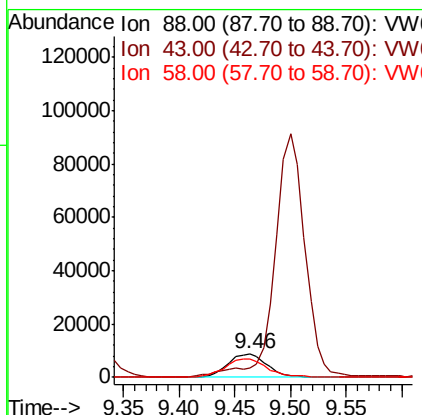
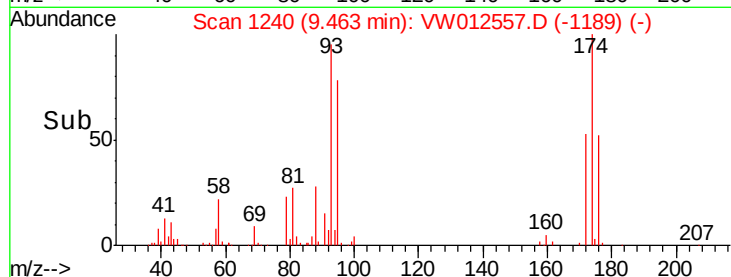
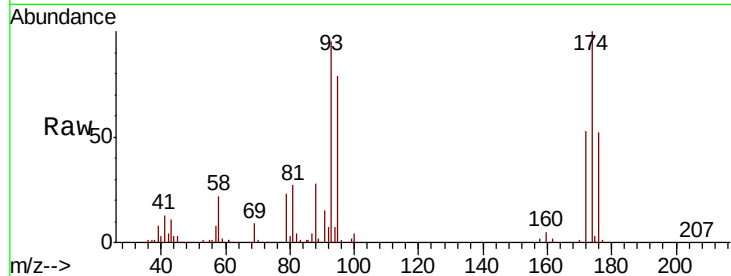




#49
1,4-Dioxane
Concen: 1145.655 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

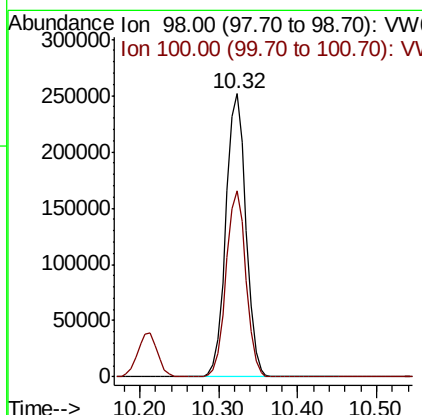
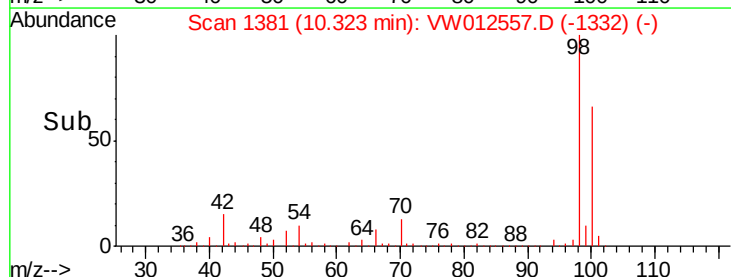
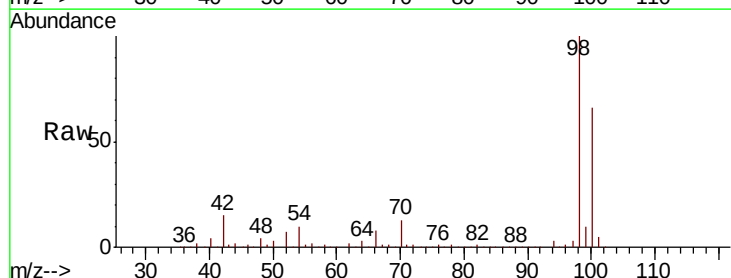
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

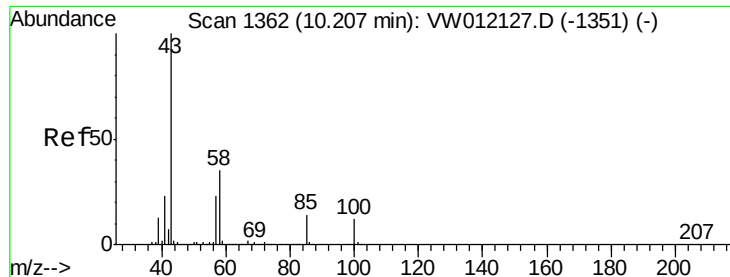
Tgt Ion: 88 Resp: 21259
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 87.4 71.0 106.4



#50
Toluene-d8
Concen: 51.109 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 98 Resp: 443750
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 297.673 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

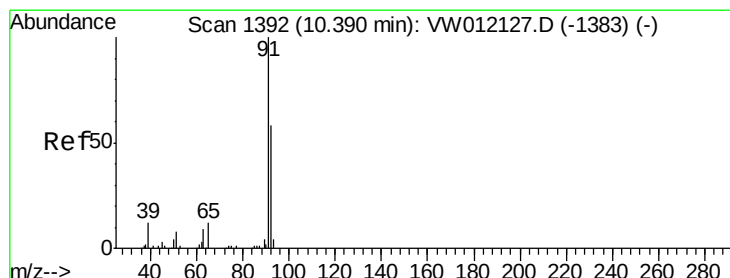
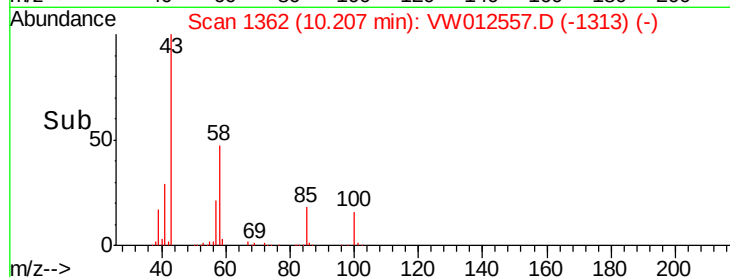
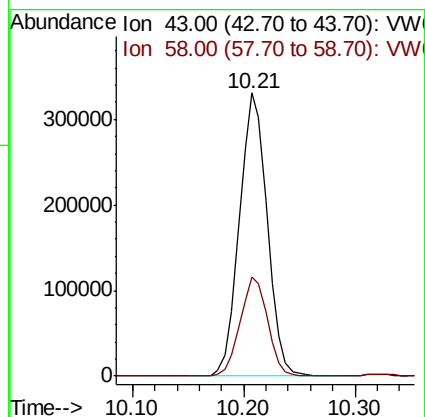
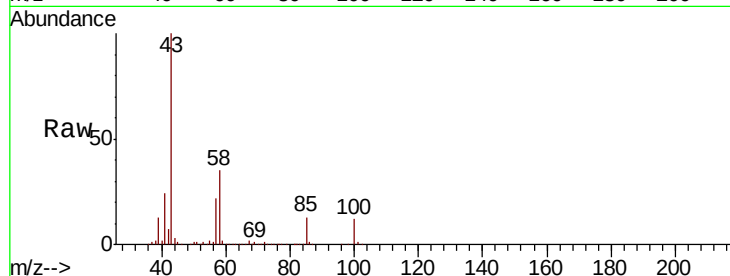
VSTDCCC050EC

Tgt Ion: 43 Resp: 569725

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



#52

Toluene

Concen: 54.717 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012557.D

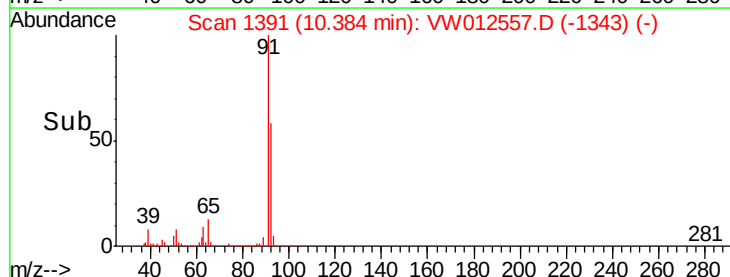
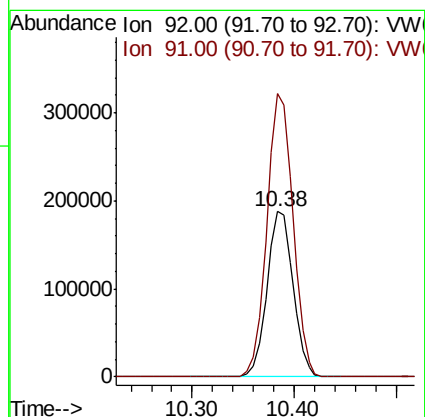
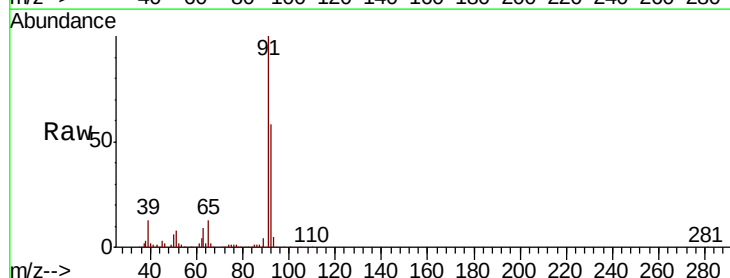
Acq: 03 Sep 2019 19:46

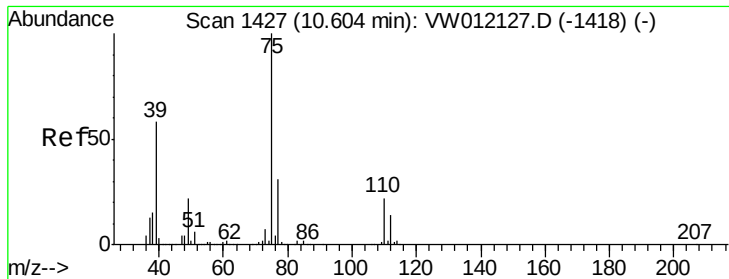
Tgt Ion: 92 Resp: 332743

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 57.856 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

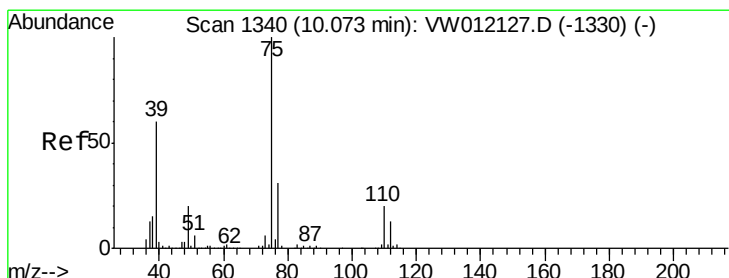
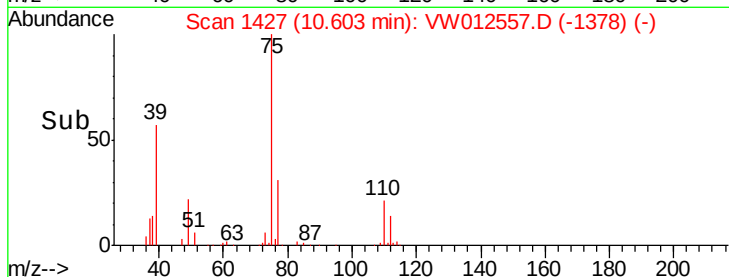
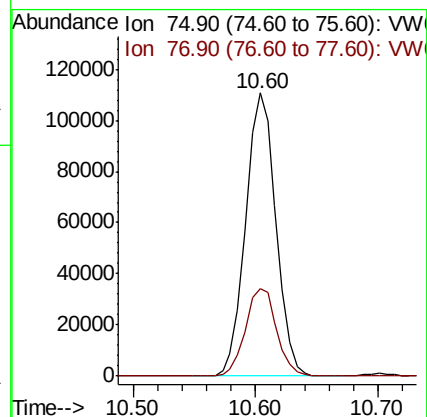
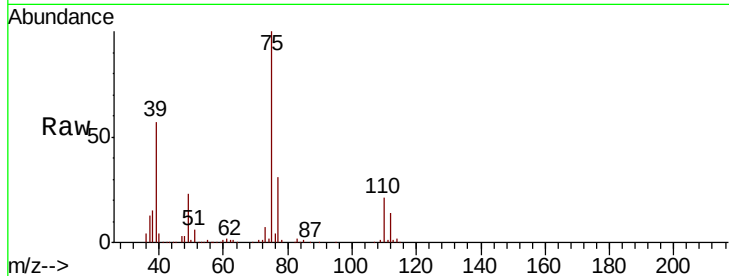
VSTDCCC050EC

Tgt Ion: 75 Resp: 190118

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 55.420 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

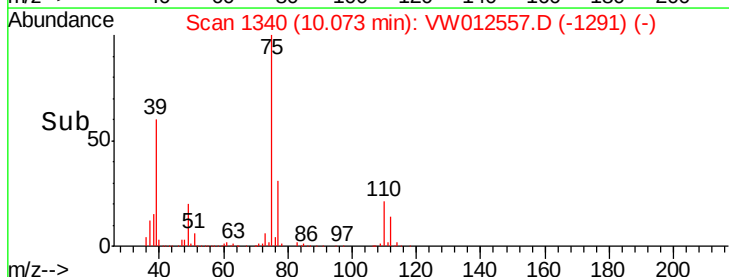
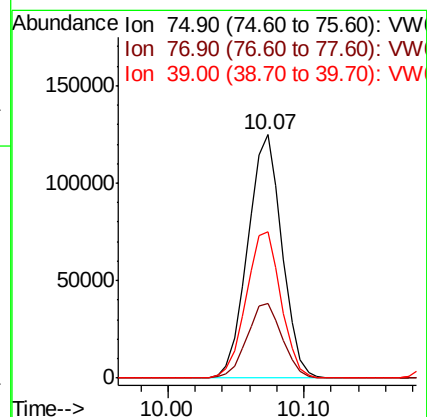
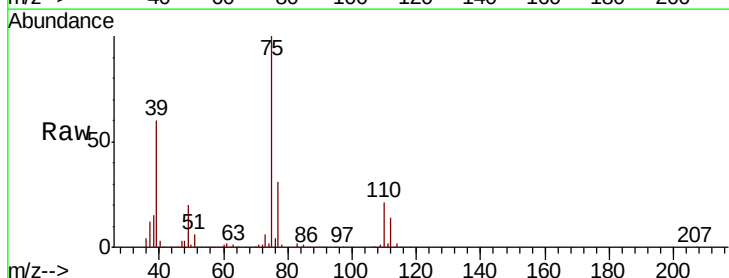
Tgt Ion: 75 Resp: 219892

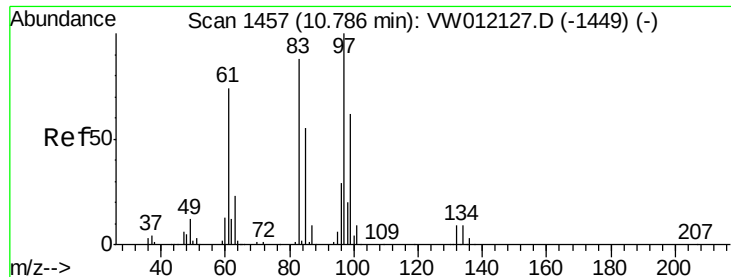
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 60.1 48.3 72.5

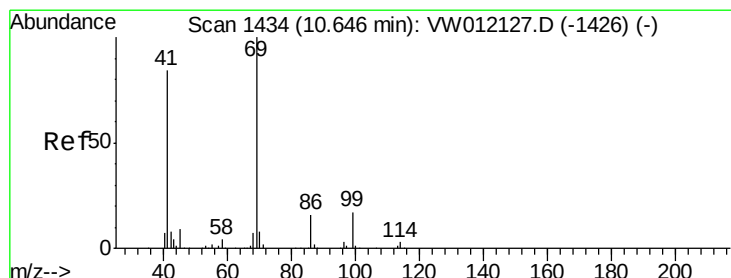
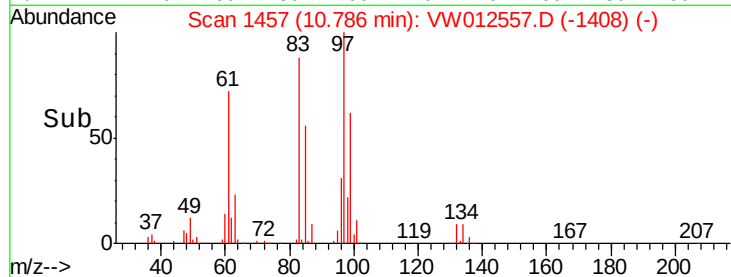
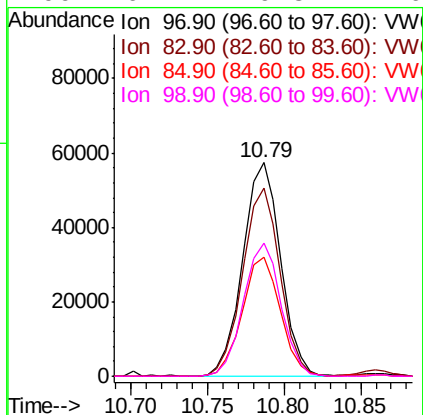
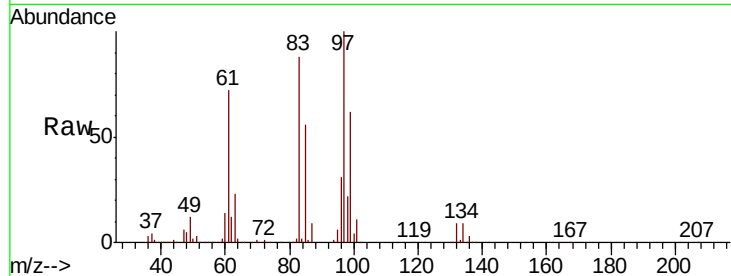




#55
 1,1,2-Trichloroethane
 Concen: 57.674 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

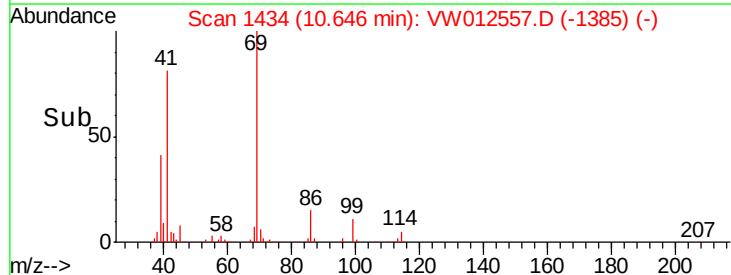
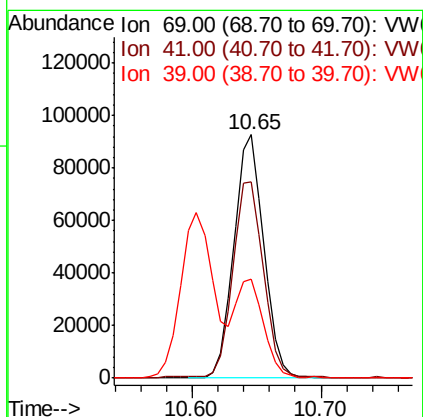
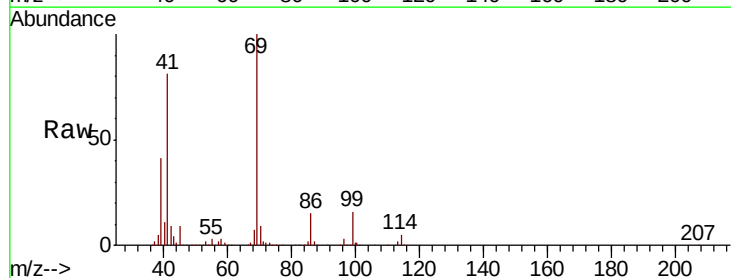
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

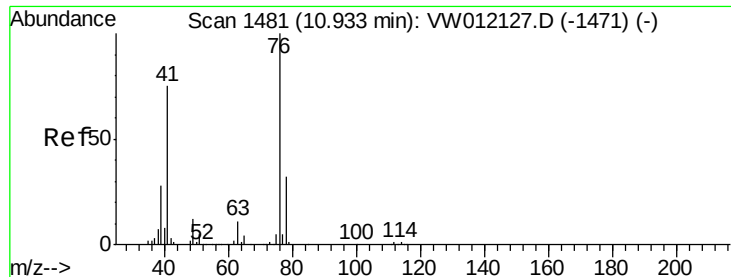
Tgt Ion:	97	Resp:	98911
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	55.6	43.8	65.8
99	62.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 59.875 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion:	69	Resp:	149449
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.5	99.7
39	37.2	31.0	46.4

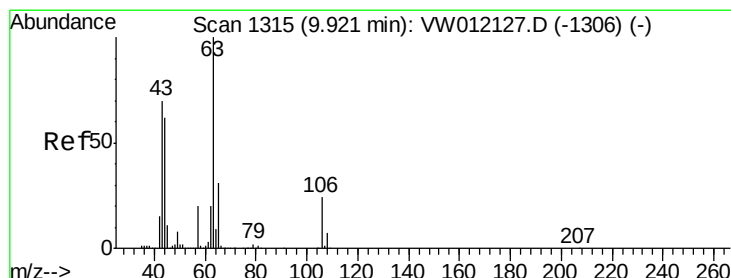
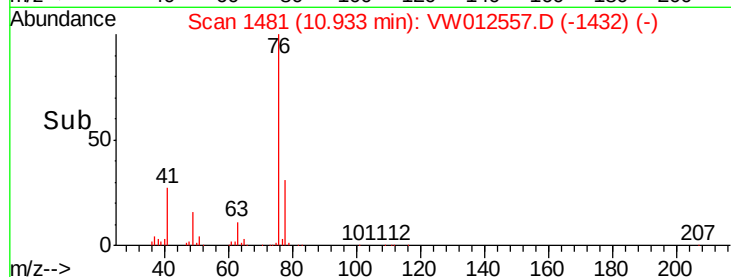
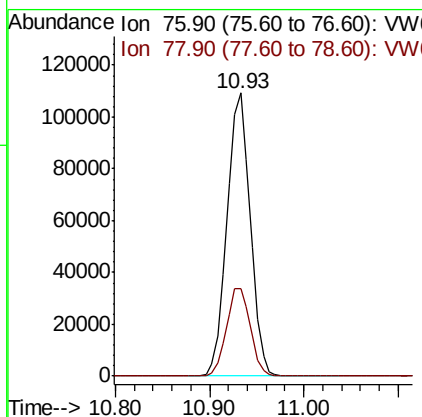
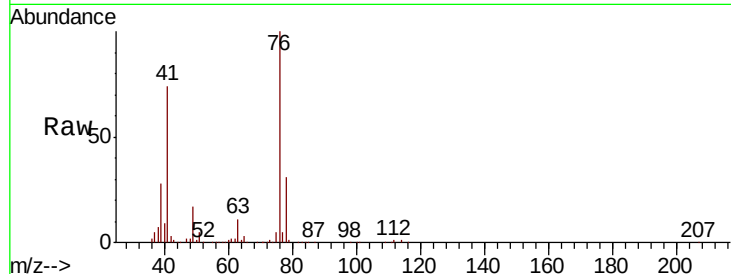




#57
 1,3-Dichloropropane
 Concen: 57.719 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

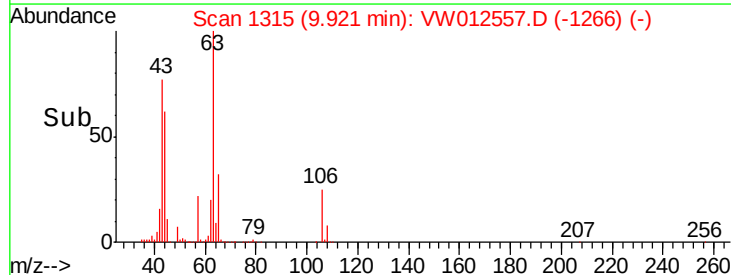
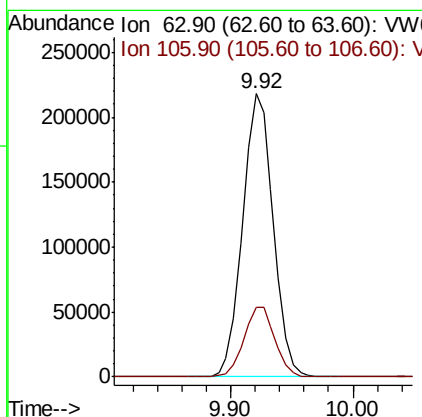
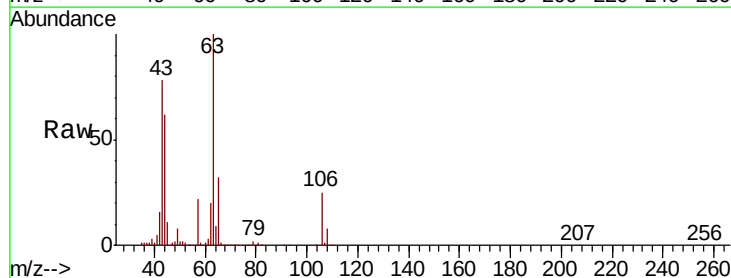
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

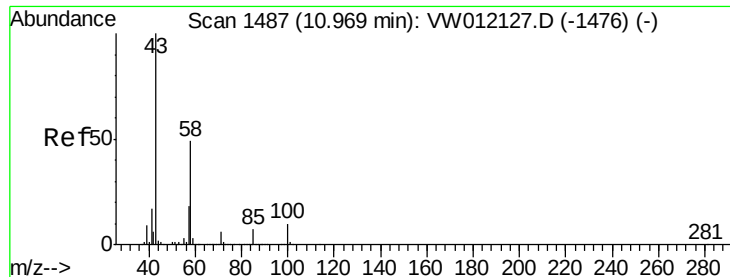
Tgt Ion: 76 Resp: 187061
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.677 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion: 63 Resp: 376204
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8

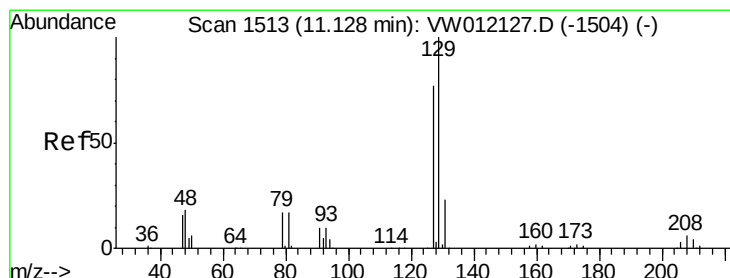
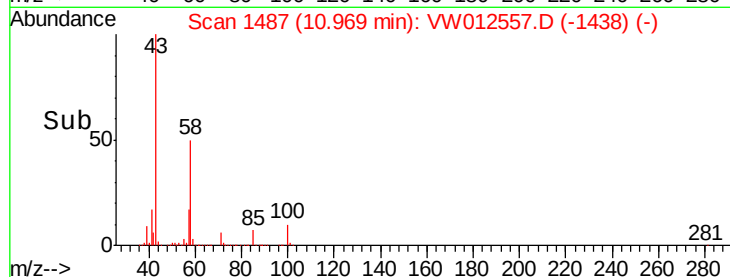
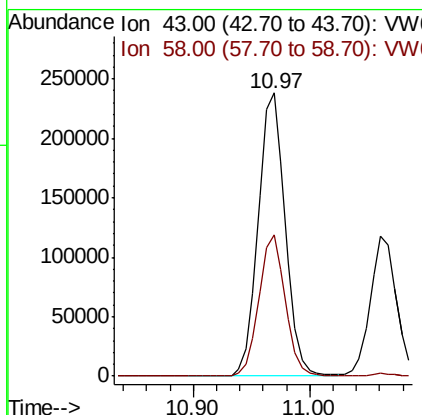
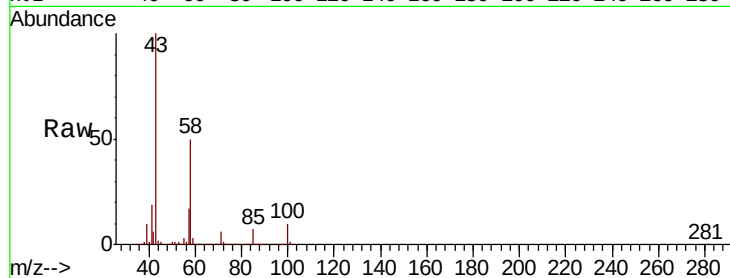




#59
2-Hexanone
Concen: 284.718 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

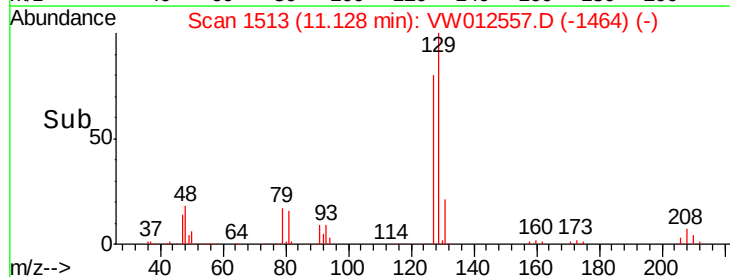
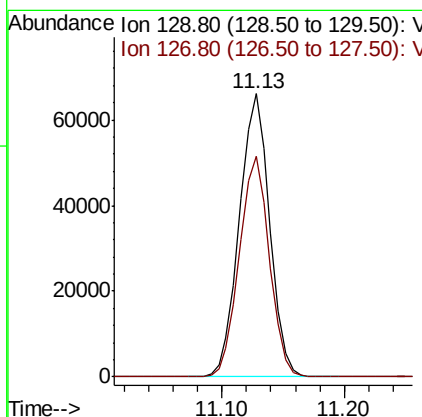
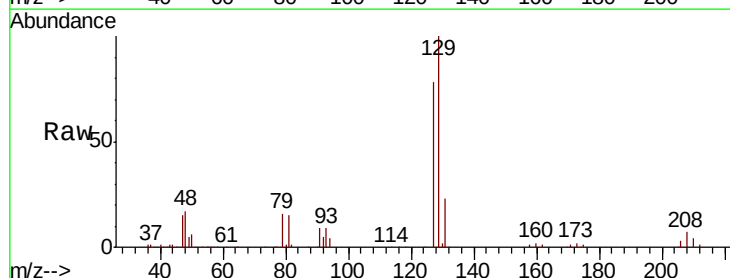
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

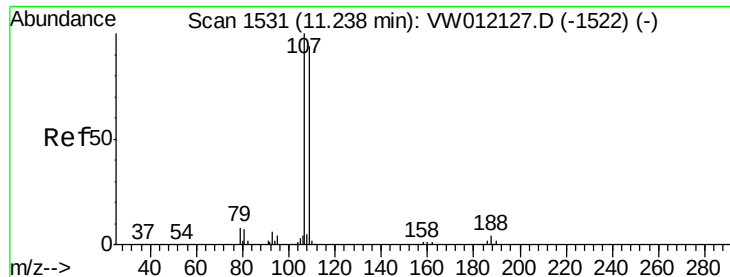
Tgt Ion: 43 Resp: 385572
Ion Ratio Lower Upper
43 100
58 48.7 24.3 72.9



#60
Dibromochloromethane
Concen: 59.229 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 129 Resp: 113140
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

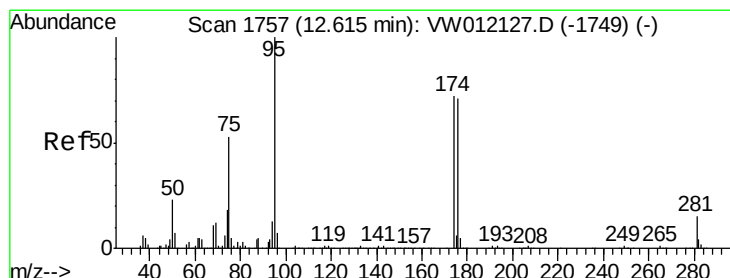
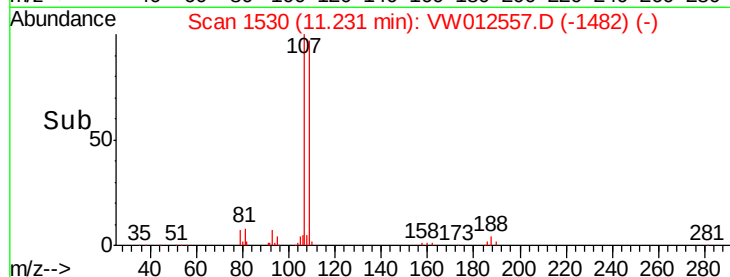
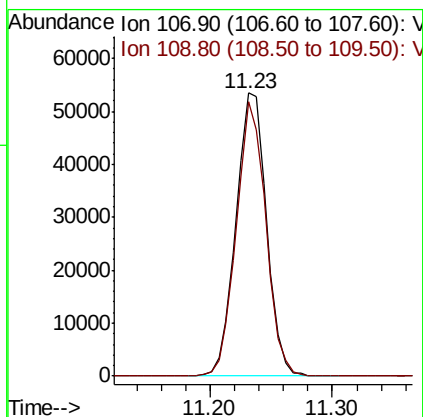
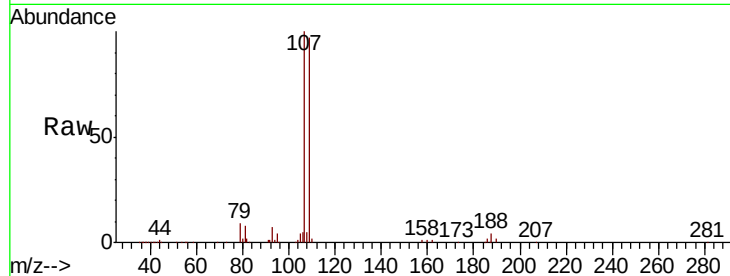




#61
 1,2-Dibromoethane
 Concen: 57.922 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

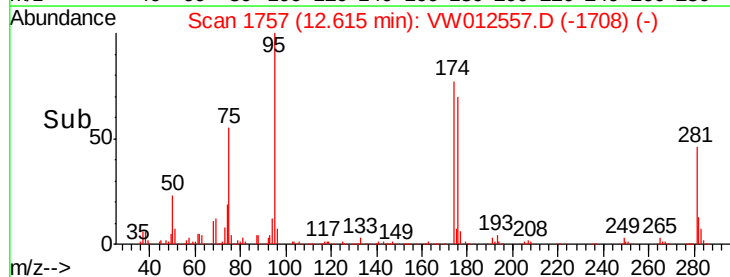
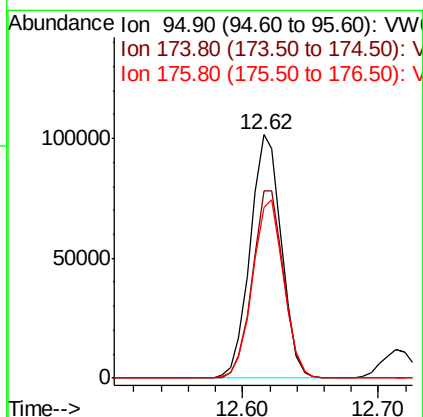
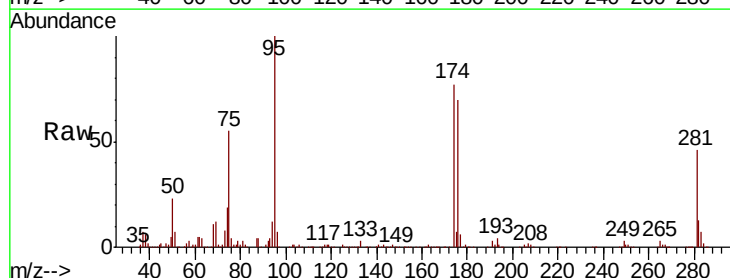
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

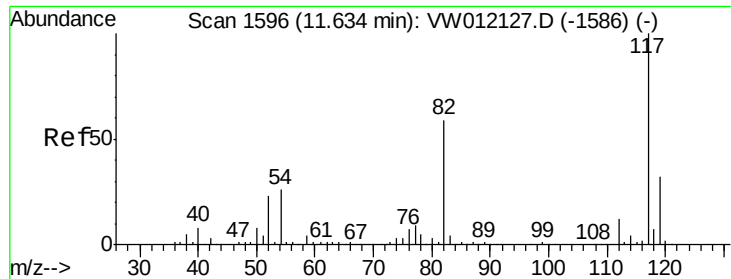
Tgt Ion: 107 Resp: 92544
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 53.541 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion: 95 Resp: 163864
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 150.8
 176 73.5 0.0 148.6

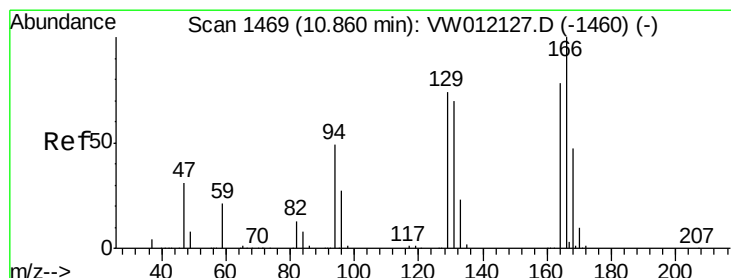
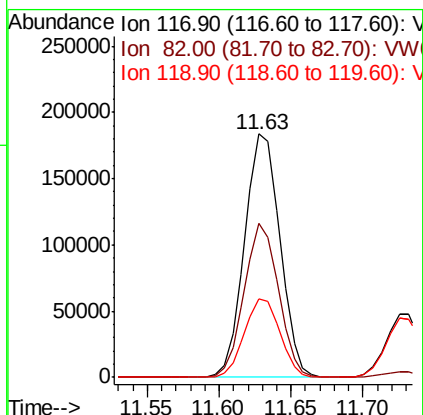
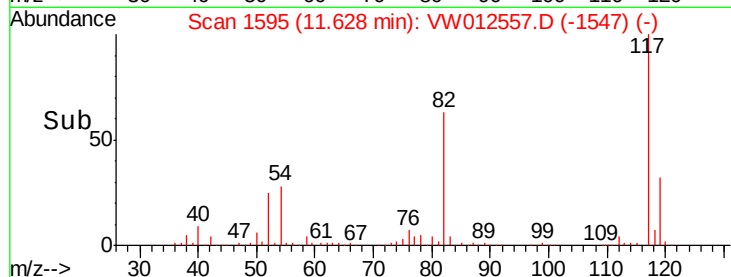
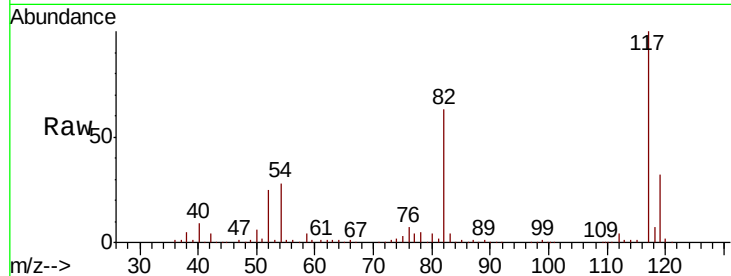




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

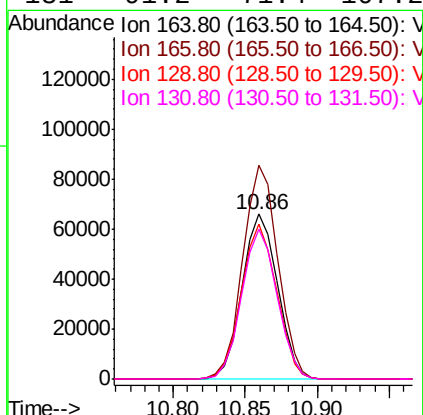
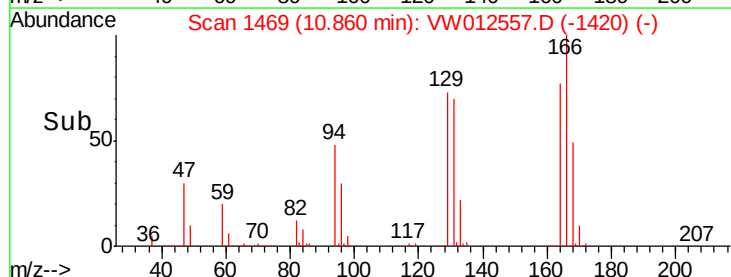
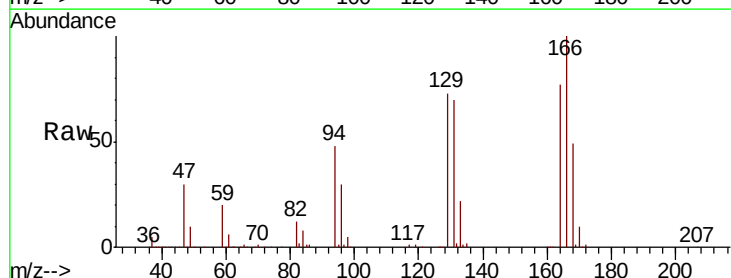
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

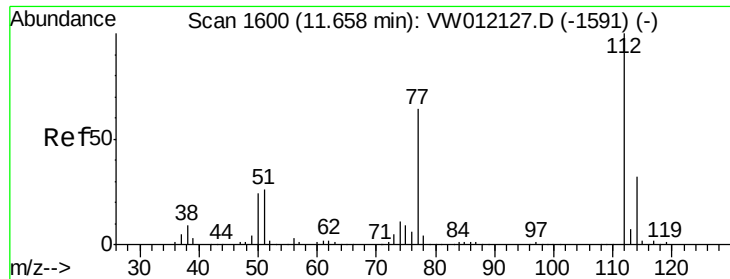
Tgt Ion:117 Resp: 312377
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 55.518 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion:164 Resp: 112436
Ion Ratio Lower Upper
164 100
166 129.7 102.4 153.6
129 94.1 75.8 113.6
131 91.2 71.4 107.2





#65

Chlorobenzene

Concen: 54.824 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

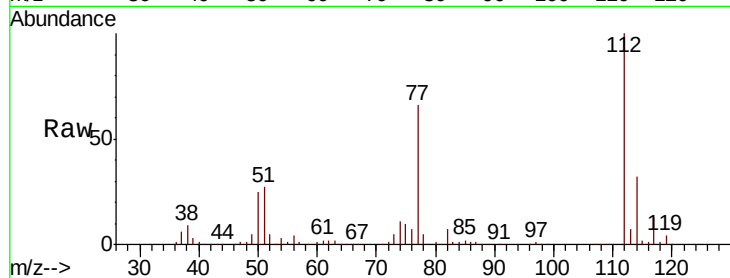
VSTDCCC050EC

Tgt Ion:112 Resp: 337224

Ion Ratio Lower Upper

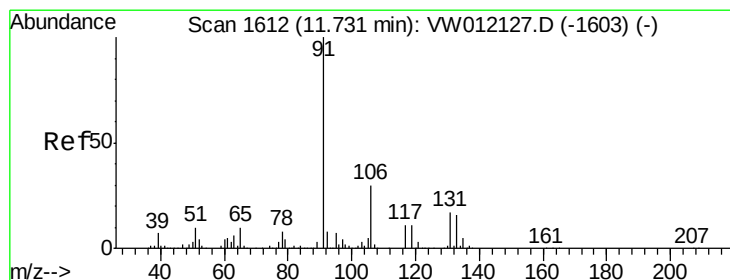
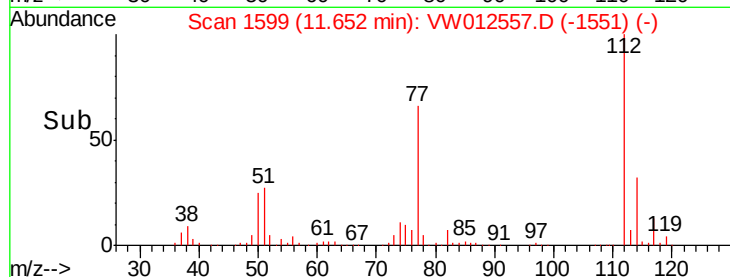
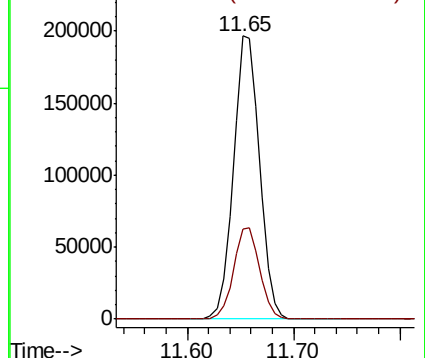
112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 58.353 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

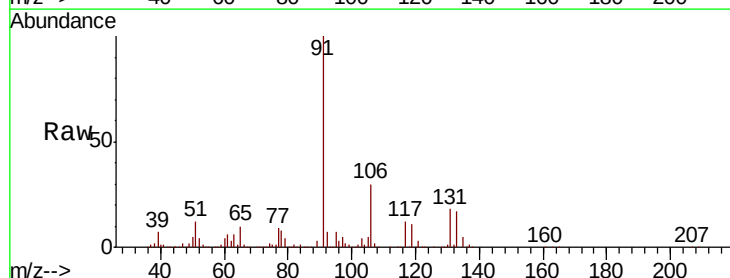
Tgt Ion:131 Resp: 125215

Ion Ratio Lower Upper

131 100

133 95.5 47.1 141.3

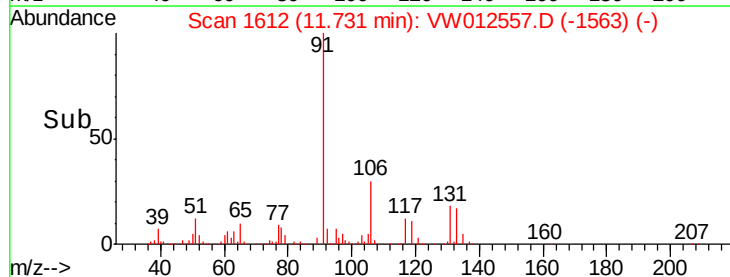
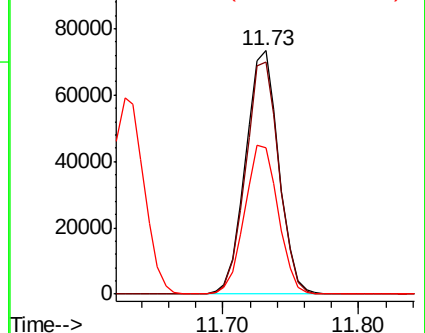
119 62.0 31.8 95.3

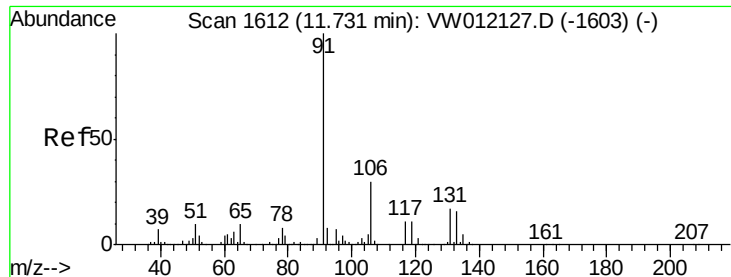


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

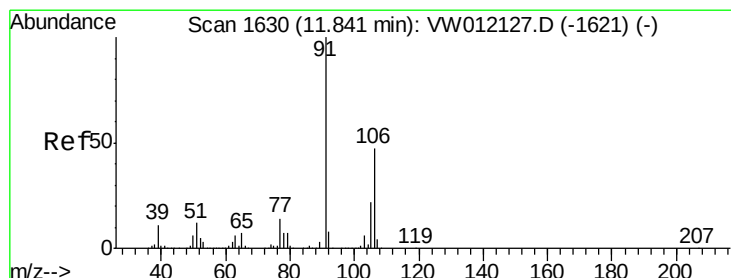
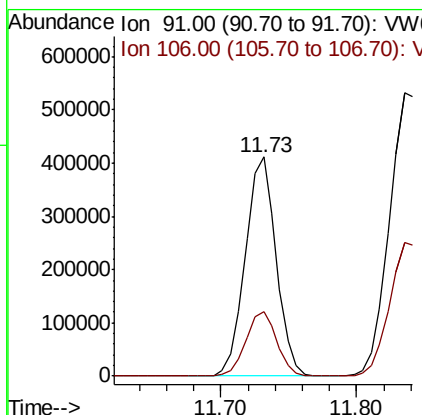
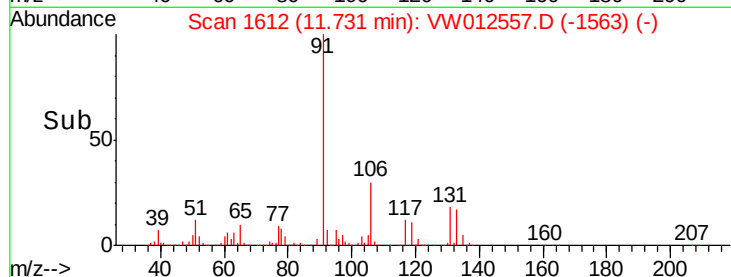
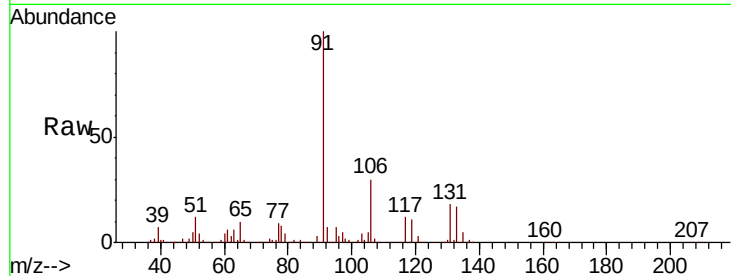




#67
Ethyl Benzene
Concen: 55.204 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

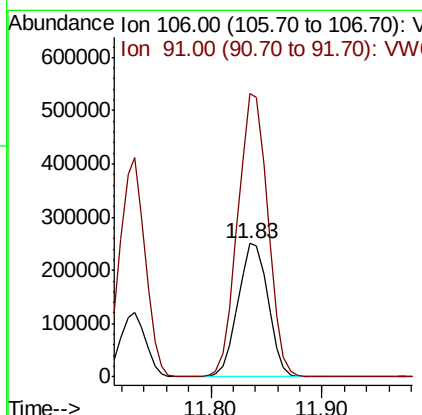
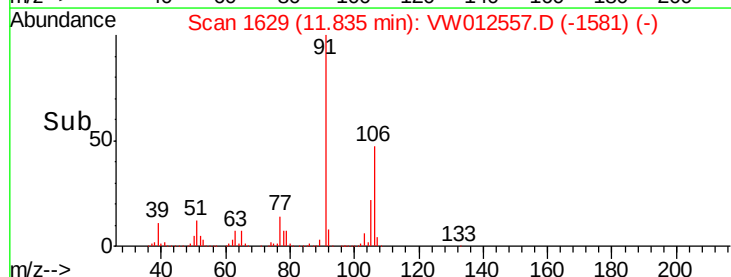
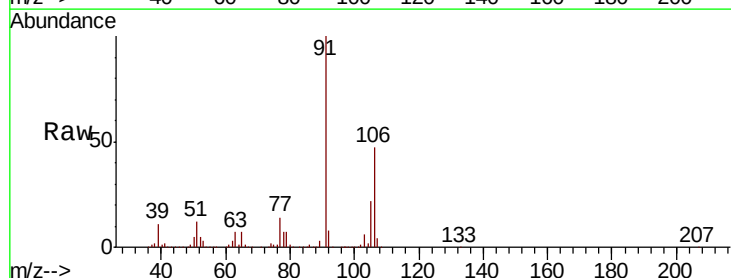
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

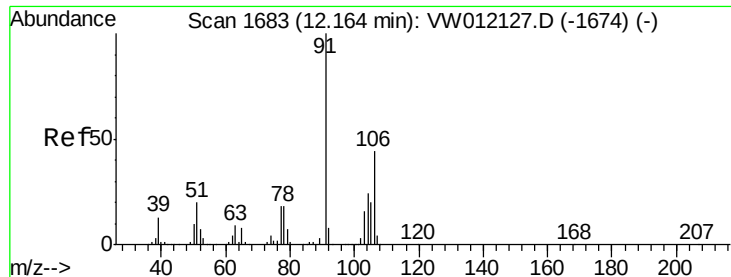
Tgt Ion: 91 Resp: 654101
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 110.405 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 106 Resp: 471215
Ion Ratio Lower Upper
106 100
91 212.3 169.5 254.3

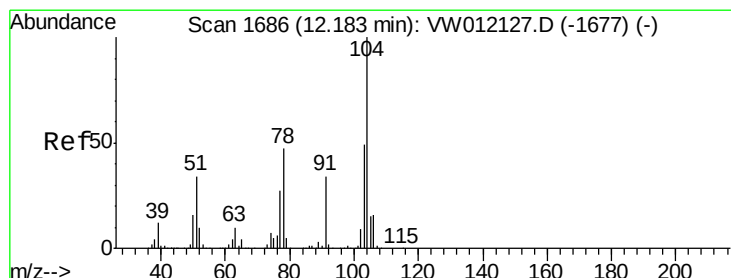
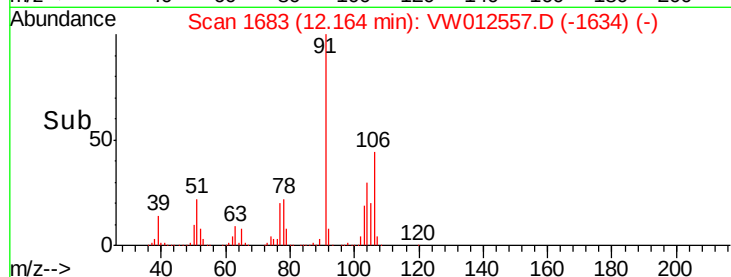
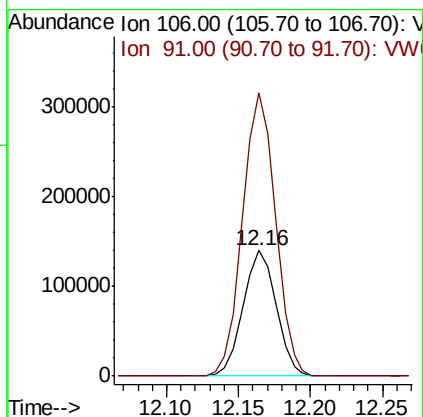
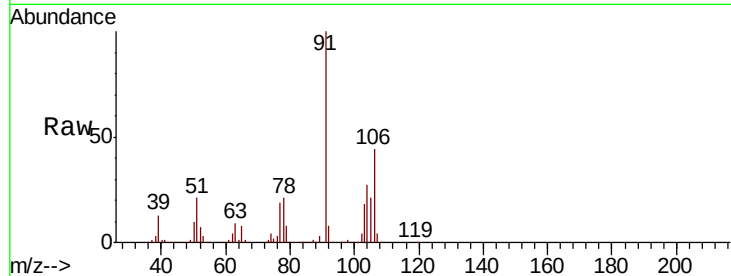




#69
o-Xylene
Concen: 56.385 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

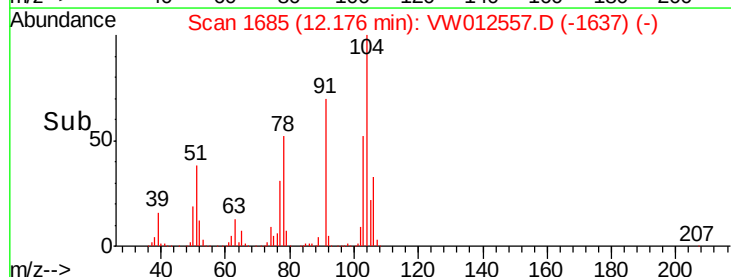
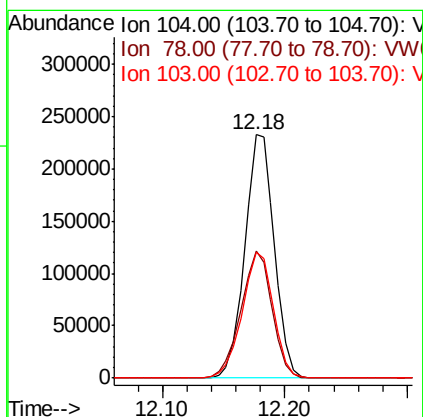
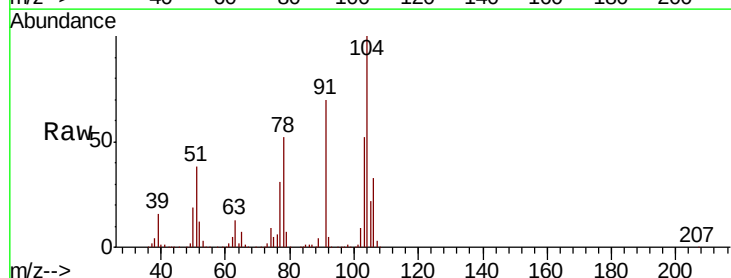
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

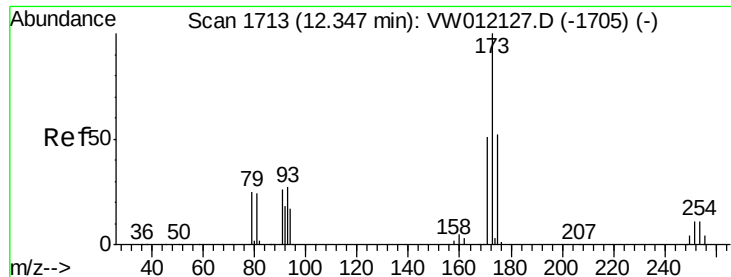
Tgt Ion:106 Resp: 222734
Ion Ratio Lower Upper
106 100
91 224.9 111.6 334.6



#70
Styrene
Concen: 56.969 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion:104 Resp: 389522
Ion Ratio Lower Upper
104 100
78 55.0 43.1 64.7
103 54.7 43.5 65.3

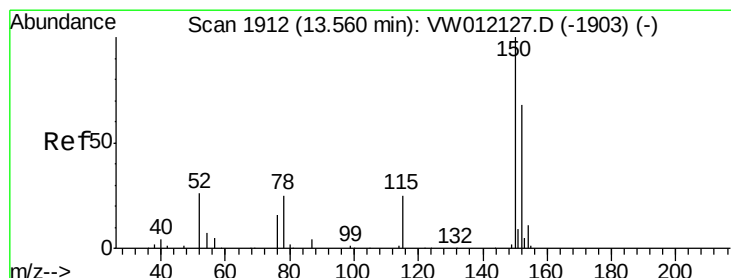
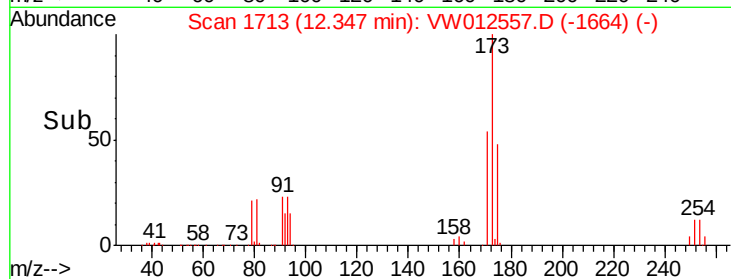
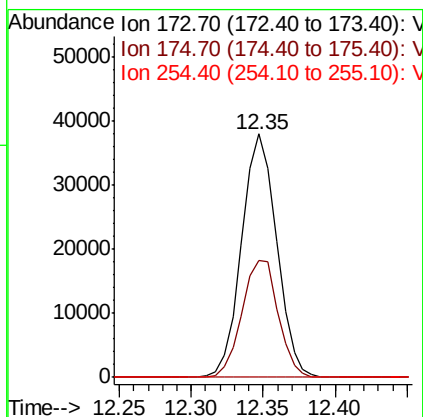
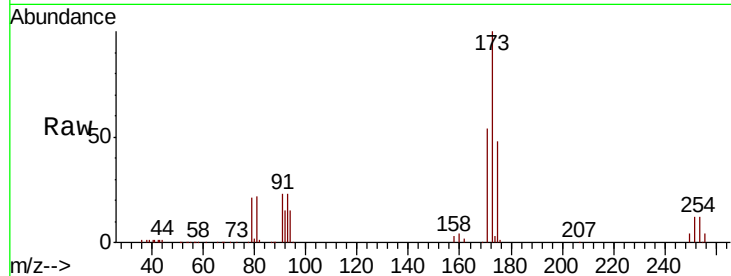




#71
Bromoform
Concen: 59.862 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

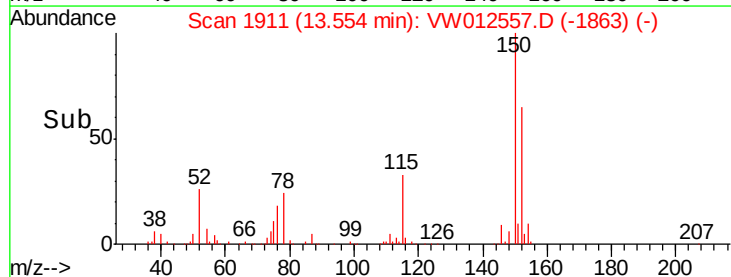
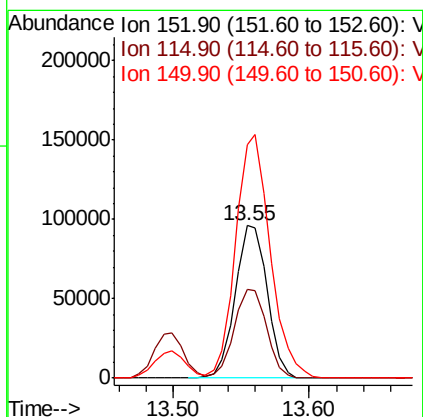
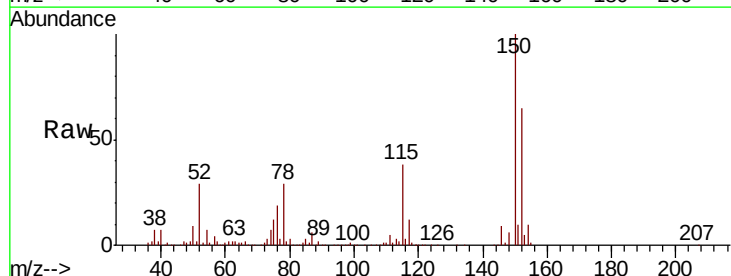
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

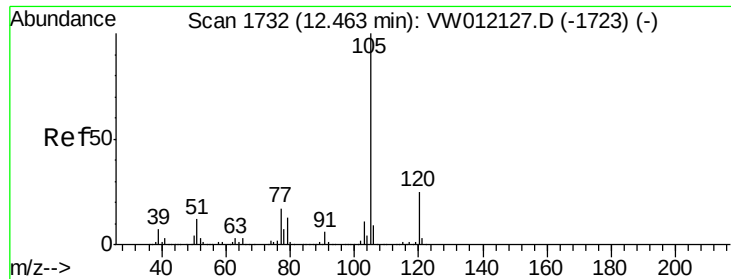
Tgt Ion:173 Resp: 63999
Ion Ratio Lower Upper
173 100
175 49.9 24.6 74.0
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion:152 Resp: 157207
Ion Ratio Lower Upper
152 100
115 59.2 30.1 90.3
150 172.5 0.0 345.8





#73

Isopropylbenzene

Concen: 52.947 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

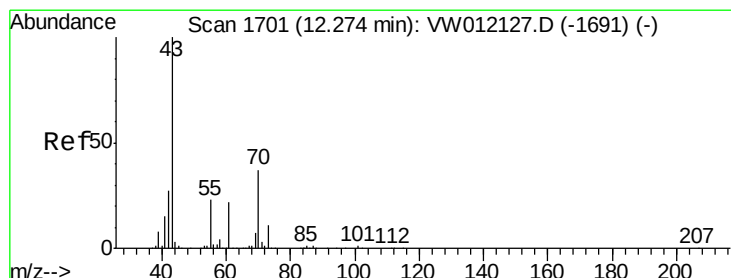
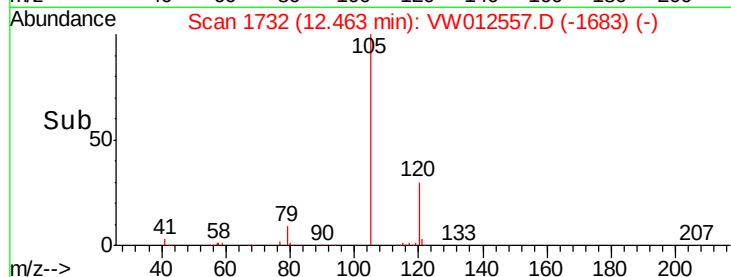
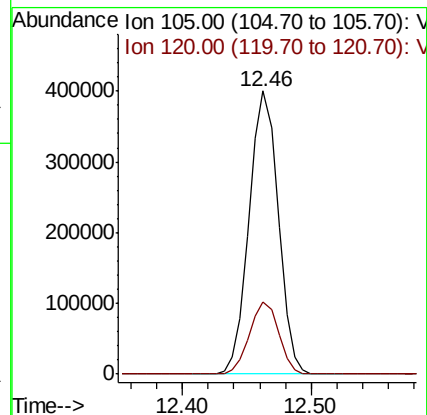
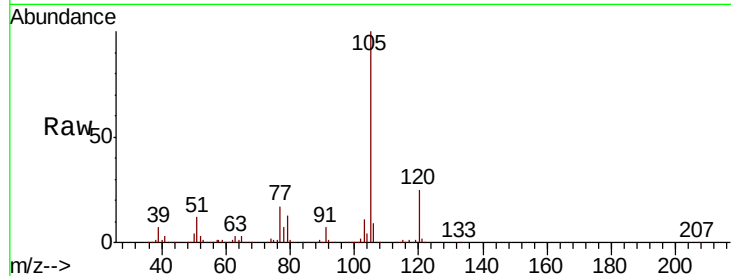
VSTDCCC050EC

Tgt Ion:105 Resp: 623699

Ion Ratio Lower Upper

105 100

120 25.5 12.5 37.5



#74

N-ethyl acetate

Concen: 55.299 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Tgt Ion: 43 Resp: 196808

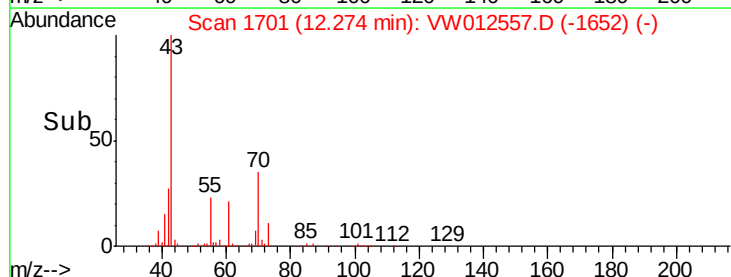
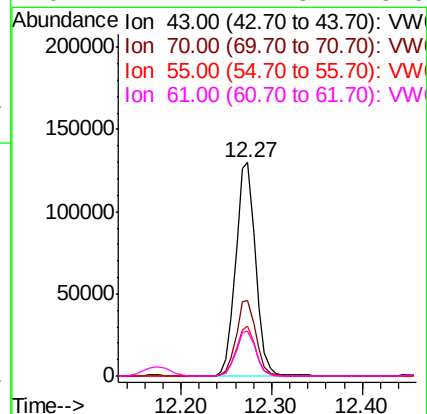
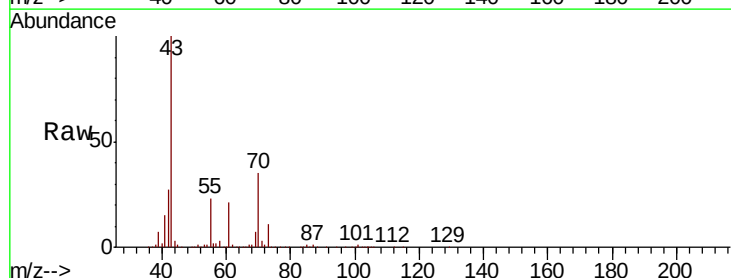
Ion Ratio Lower Upper

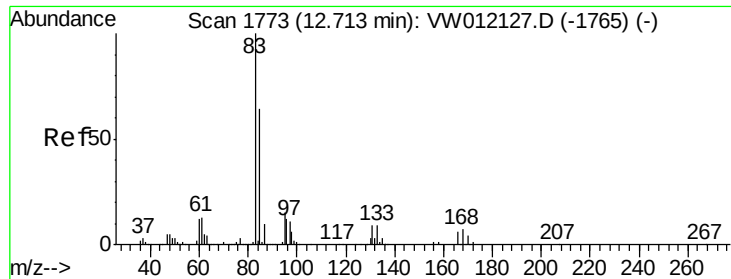
43 100

70 35.4 28.6 43.0

55 22.8 17.8 26.6

61 21.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.113 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

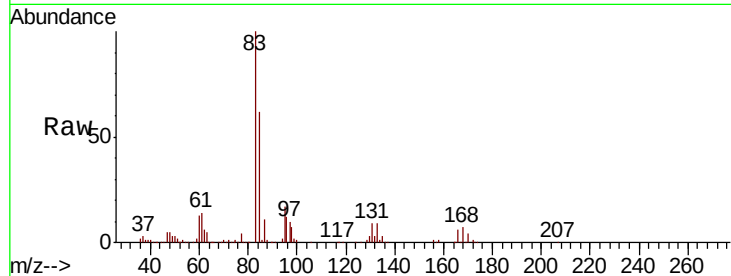
Tgt Ion: 83 Resp: 116861

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

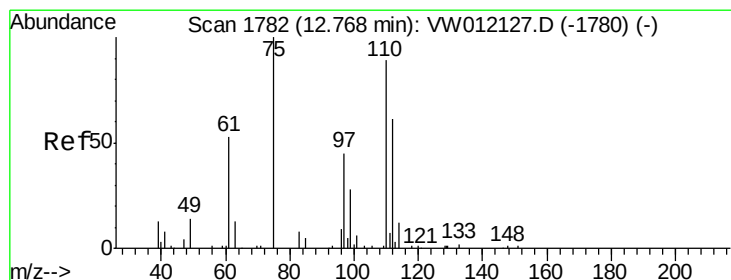
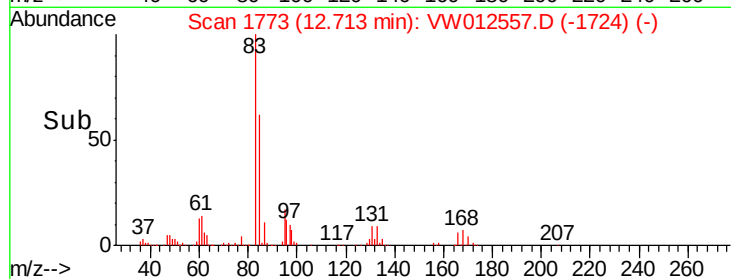
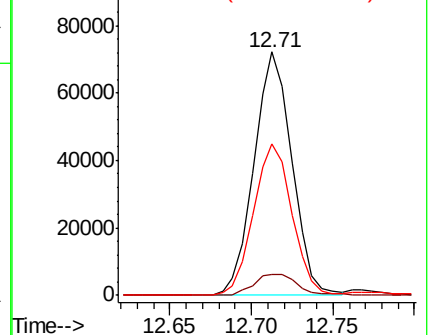
85 63.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 103.217 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012557.D

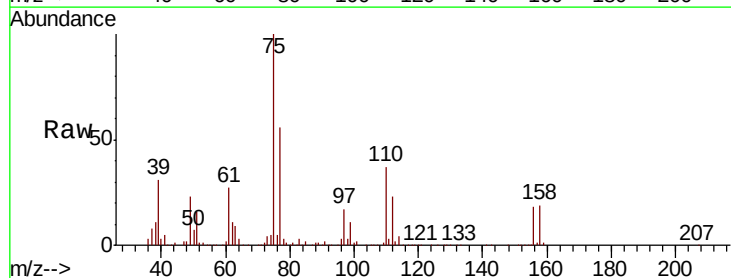
Acq: 03 Sep 2019 19:46

Tgt Ion: 75 Resp: 158034

Ion Ratio Lower Upper

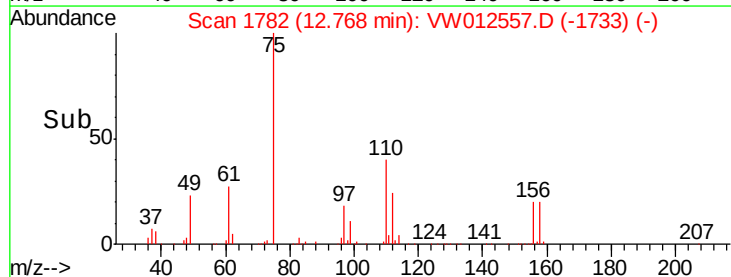
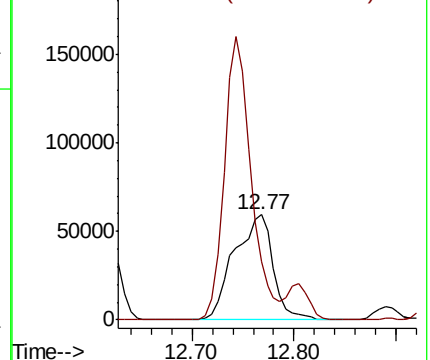
75 100

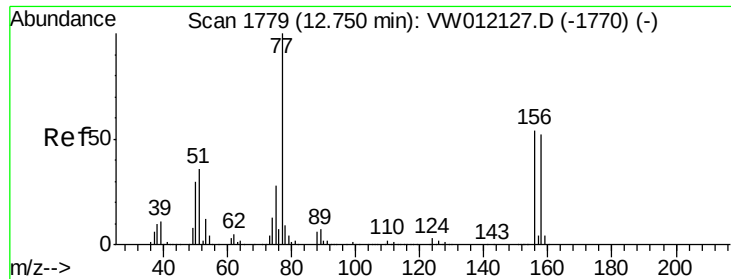
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

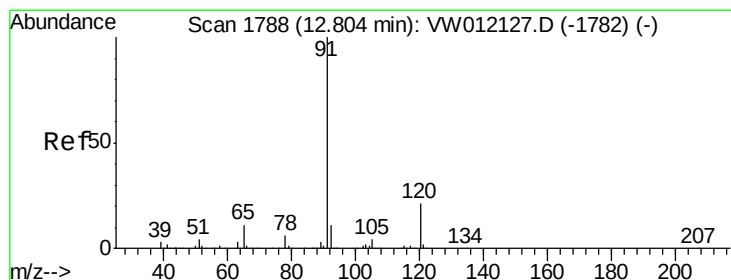
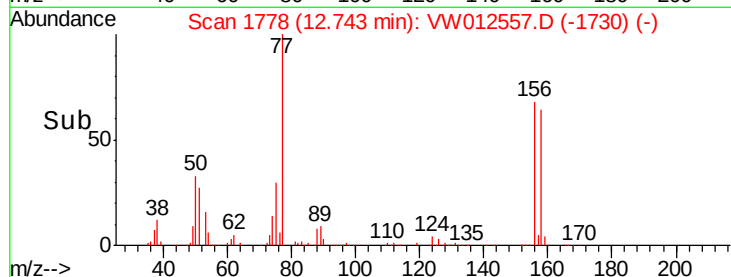
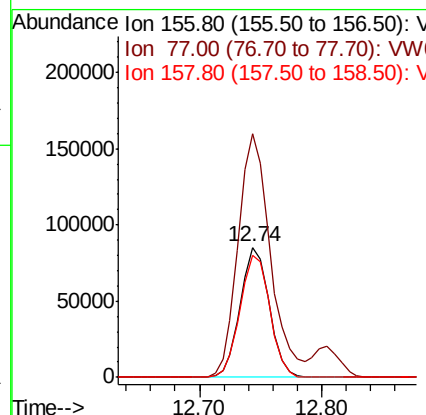
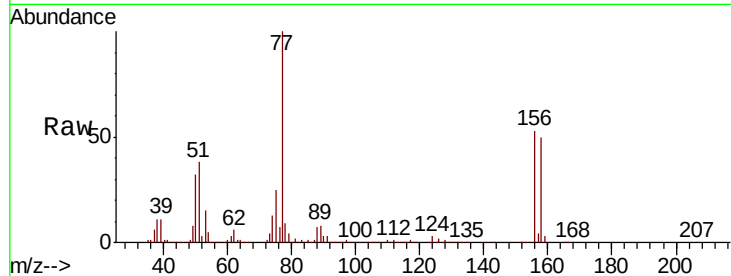




#77
Bromobenzene
Concen: 54.914 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

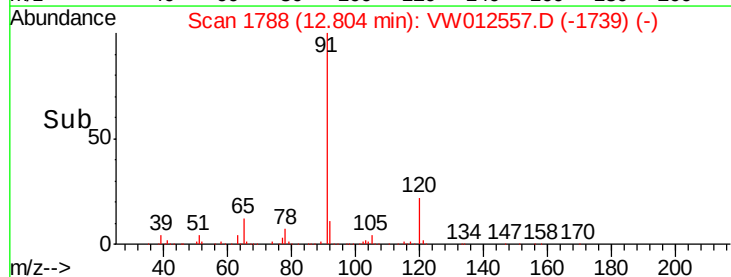
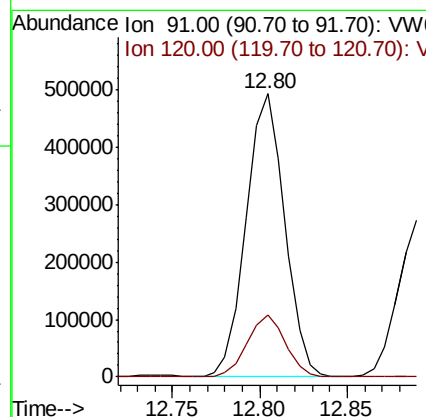
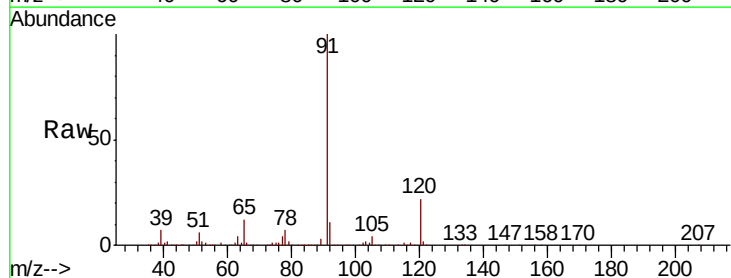
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

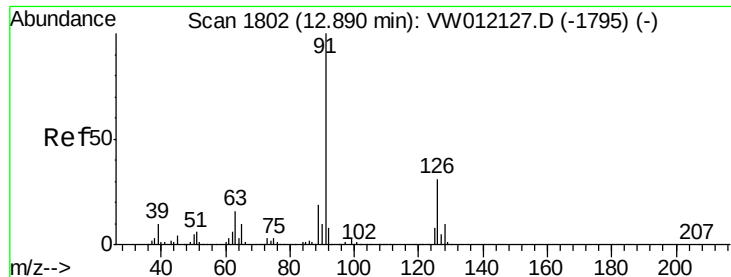
Tgt Ion:156 Resp: 139944
Ion Ratio Lower Upper
156 100
77 208.6 107.3 321.8
158 96.3 49.0 147.0



#78
n-propylbenzene
Concen: 52.445 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion: 91 Resp: 754187
Ion Ratio Lower Upper
91 100
120 21.5 10.5 31.6





#79

2-Chlorotoluene

Concen: 52.834 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

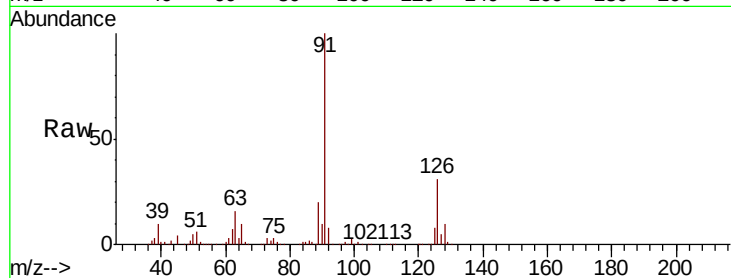
VSTDCCC050EC

Tgt Ion: 91 Resp: 431367

Ion Ratio Lower Upper

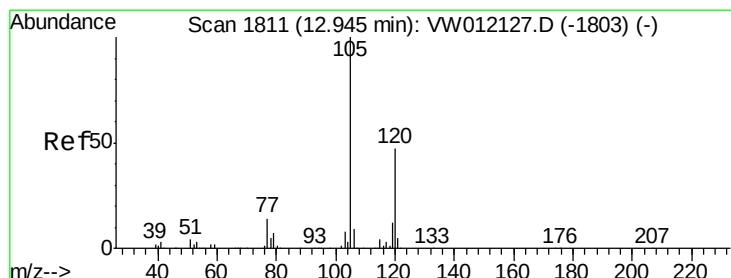
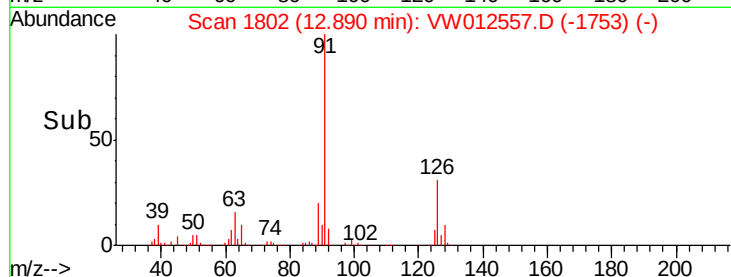
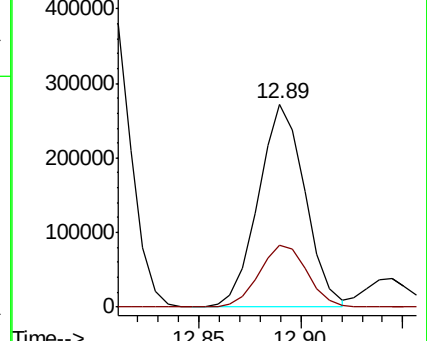
91 100

126 31.8 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.911 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012557.D

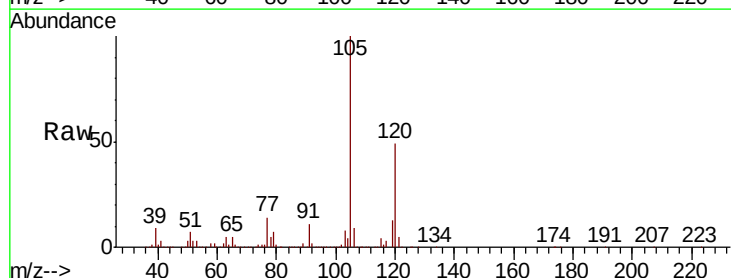
Acq: 03 Sep 2019 19:46

Tgt Ion: 105 Resp: 530651

Ion Ratio Lower Upper

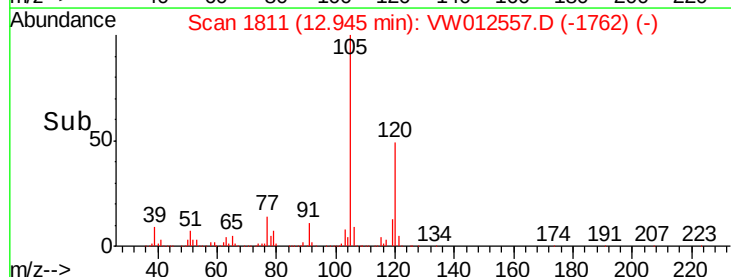
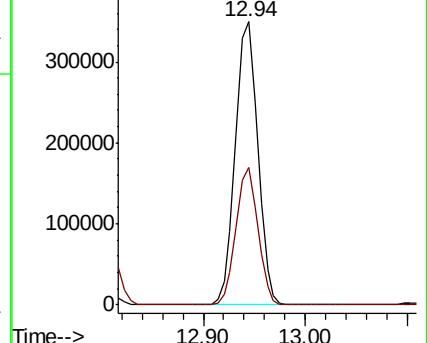
105 100

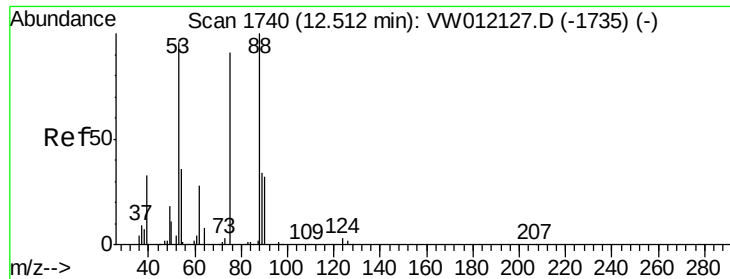
120 47.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.633 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

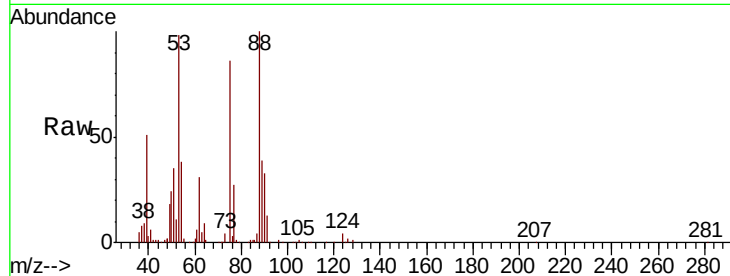
Tgt Ion: 75 Resp: 38151

Ion Ratio Lower Upper

75 100

53 111.5 89.4 134.0

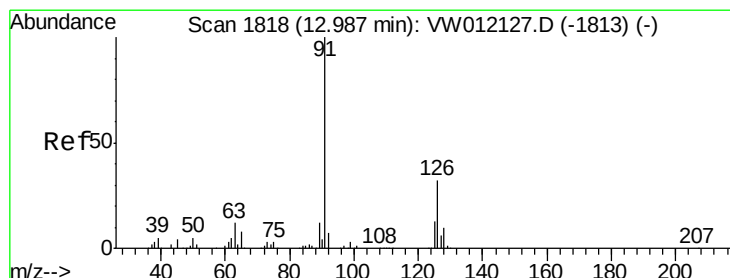
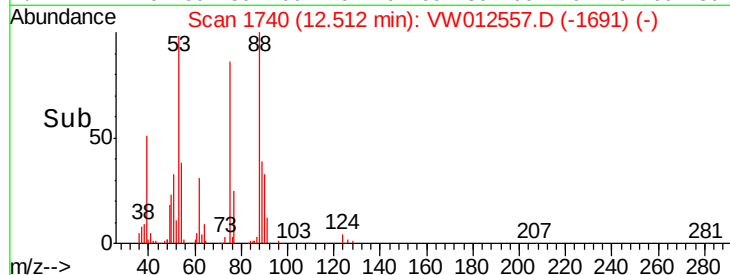
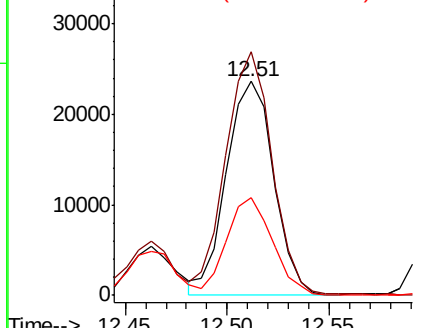
89 43.7 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 53.442 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012557.D

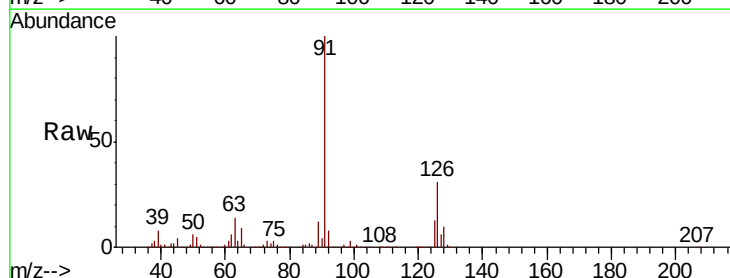
Acq: 03 Sep 2019 19:46

Tgt Ion: 91 Resp: 456868

Ion Ratio Lower Upper

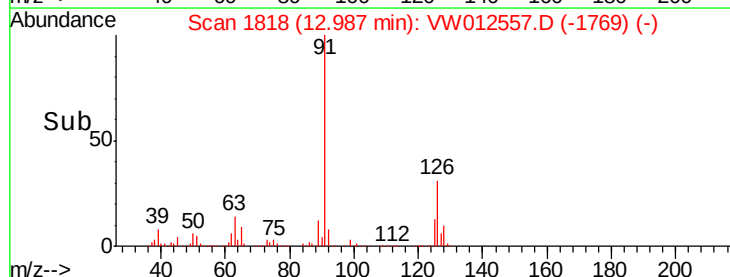
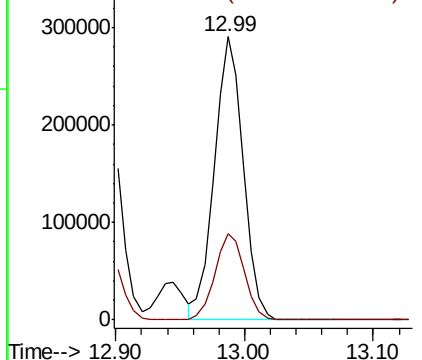
91 100

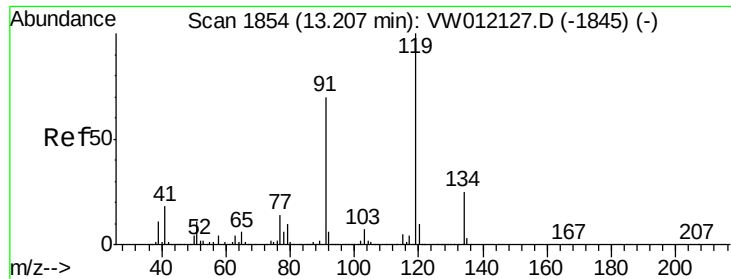
126 31.1 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

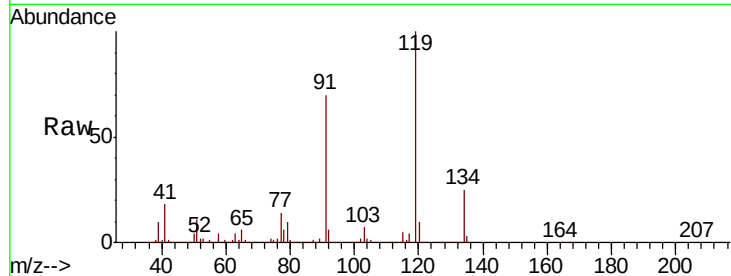




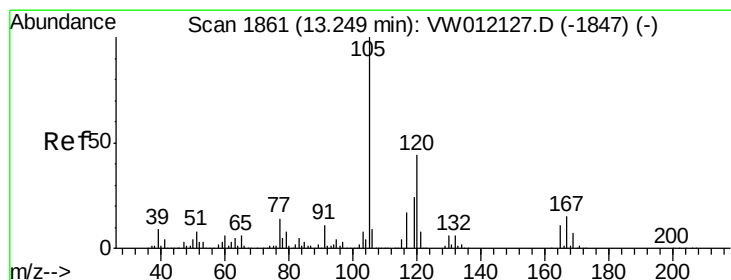
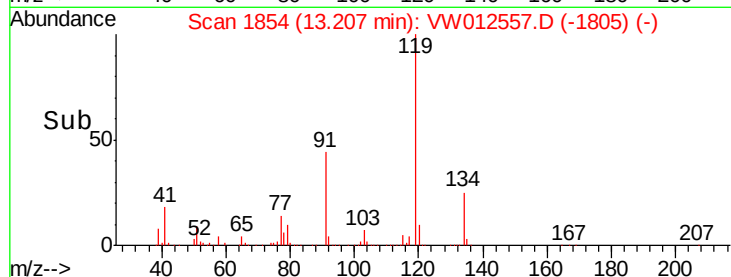
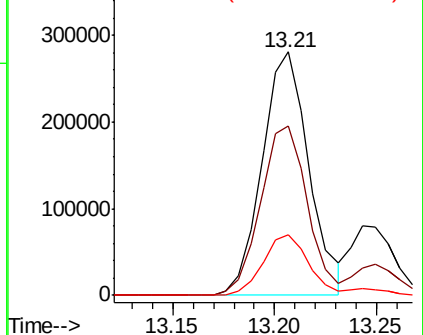
#83
 tert-Butylbenzene
 Concen: 53.977 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 450055
 Ion Ratio Lower Upper
 119 100
 91 69.5 34.8 104.3
 134 24.6 13.3 39.8

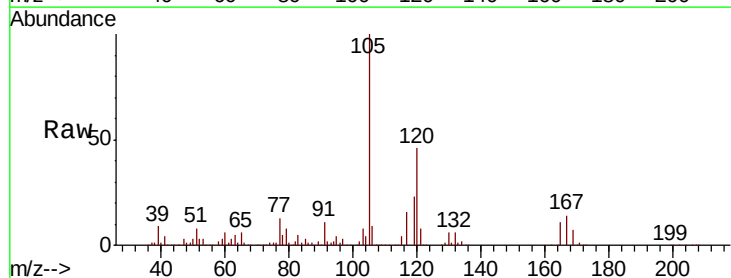


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

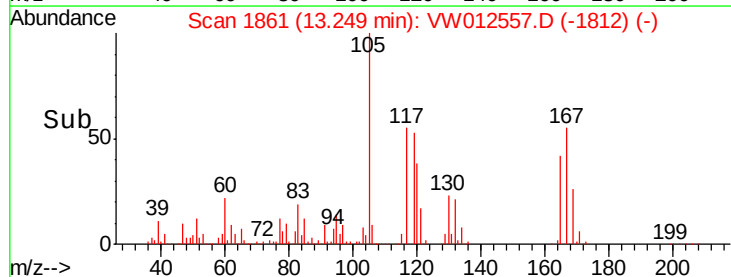
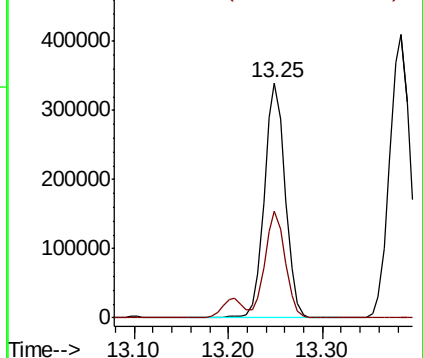


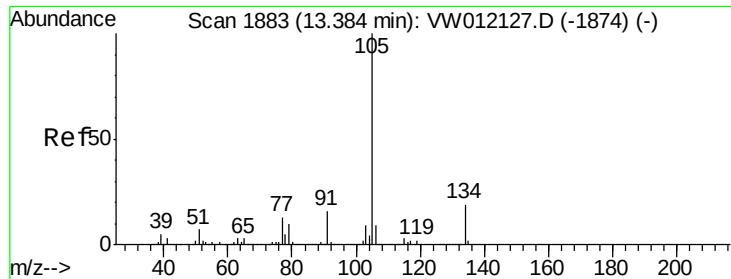
#84
 1,2,4-Trimethylbenzene
 Concen: 53.557 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion:105 Resp: 529553
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

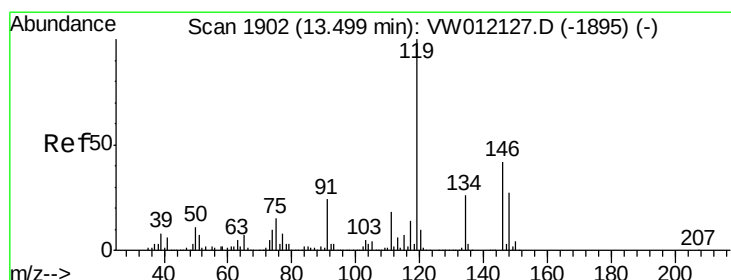
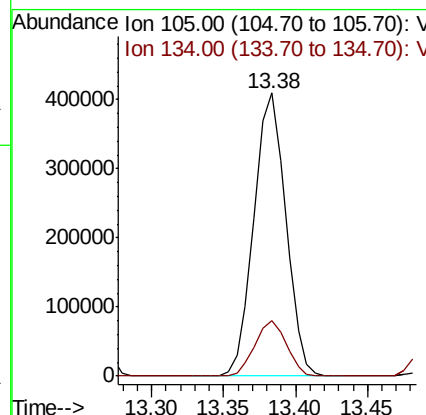
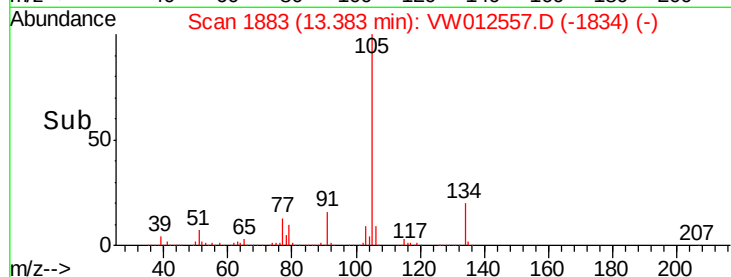
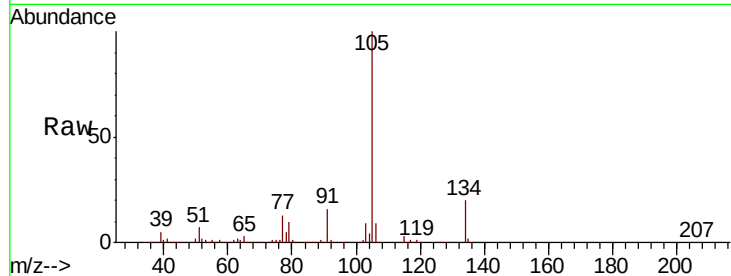




#85
 sec-Butylbenzene
 Concen: 52.559 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

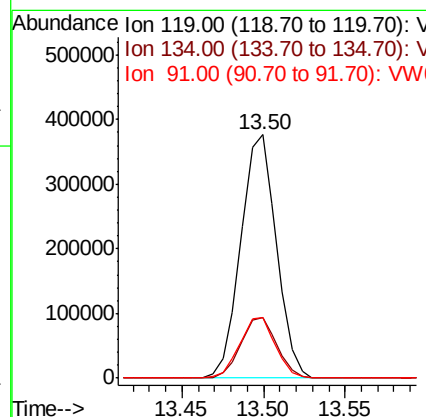
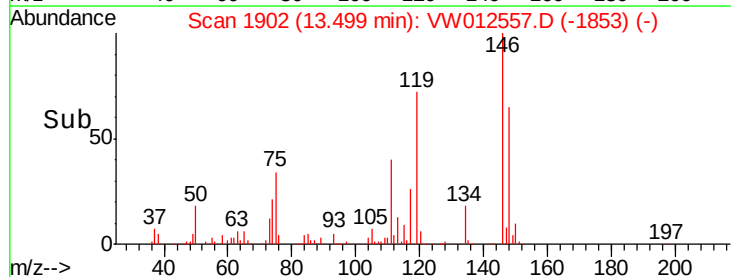
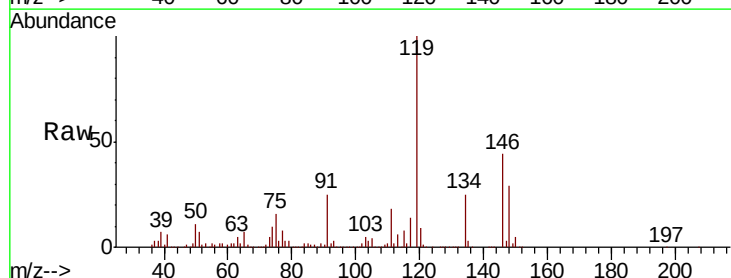
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

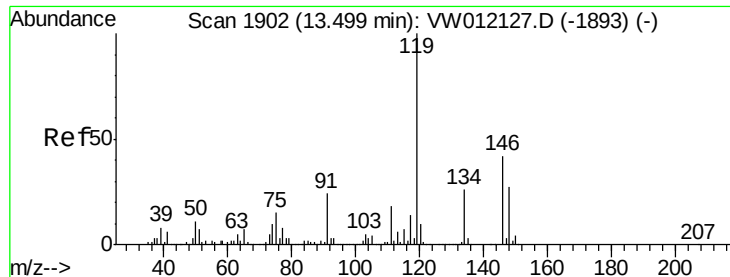
Tgt Ion:105 Resp: 627854
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 53.671 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion:119 Resp: 572564
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 24.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 53.802 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

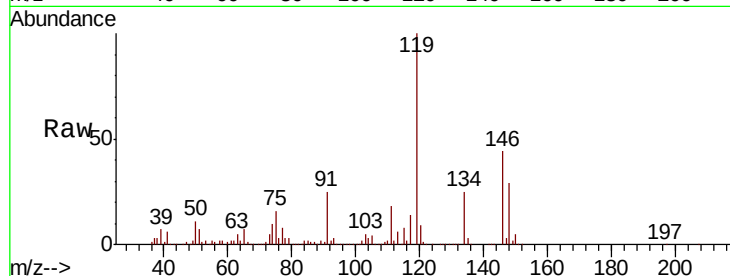
Tgt Ion:146 Resp: 268183

Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.7

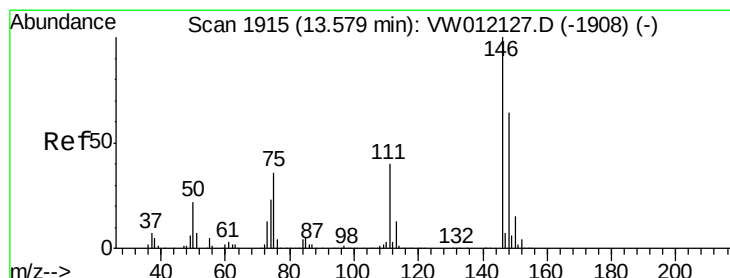
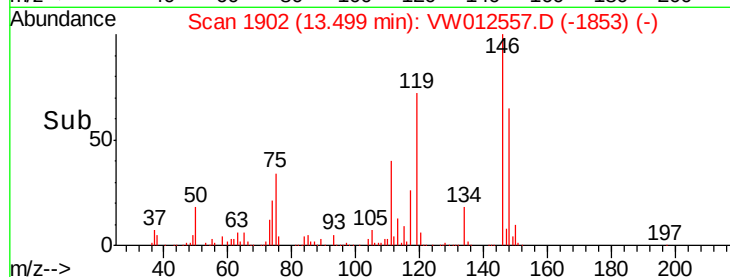
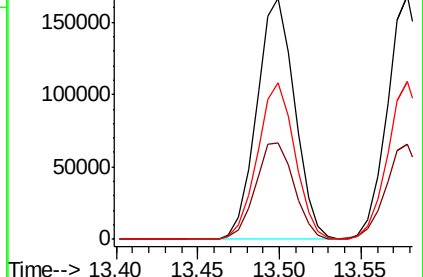
148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.838 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

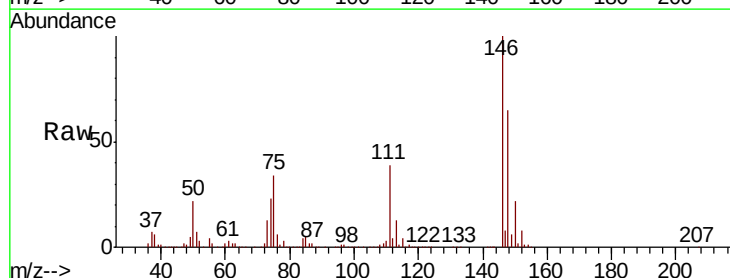
Tgt Ion:146 Resp: 266462

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

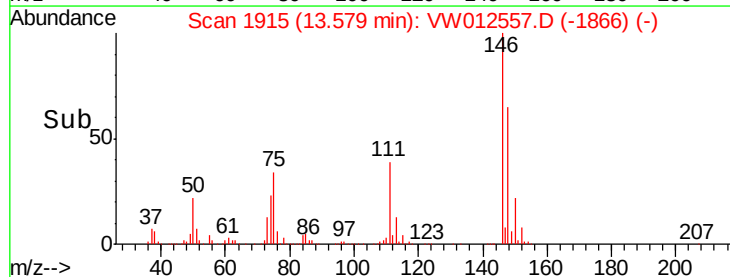
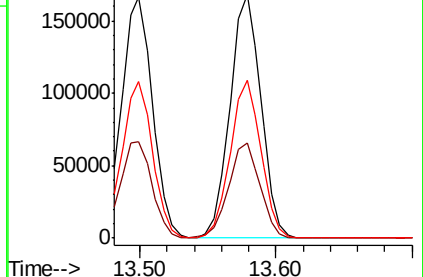
148 64.2 32.1 96.3

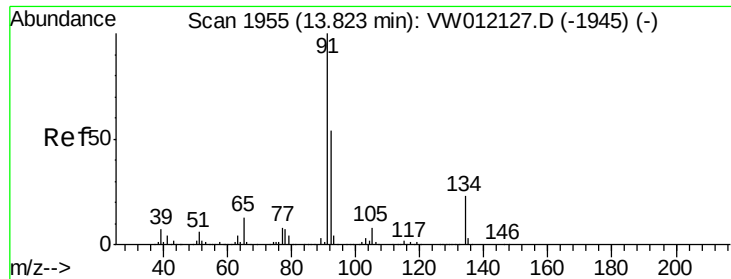


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.544 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

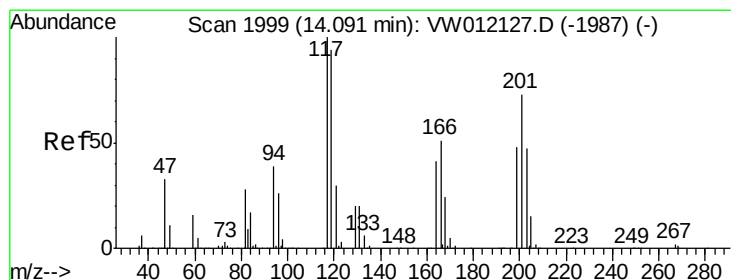
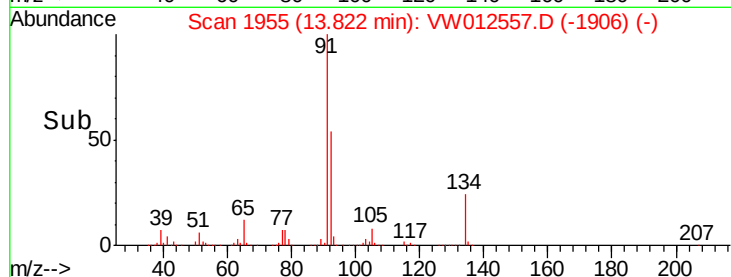
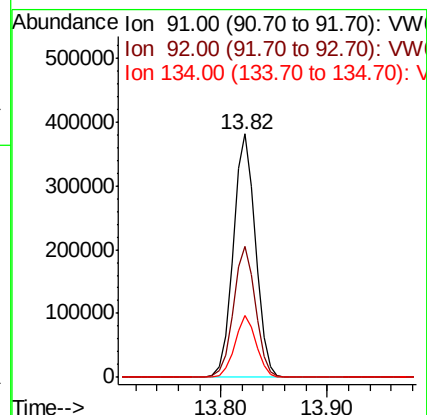
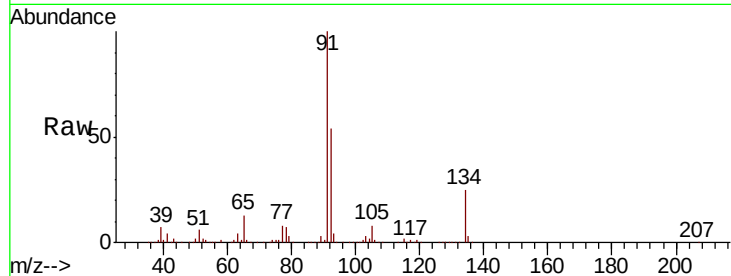
Tgt Ion: 91 Resp: 557430

Ion Ratio Lower Upper

91 100

92 53.6 27.1 81.2

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 53.058 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012557.D

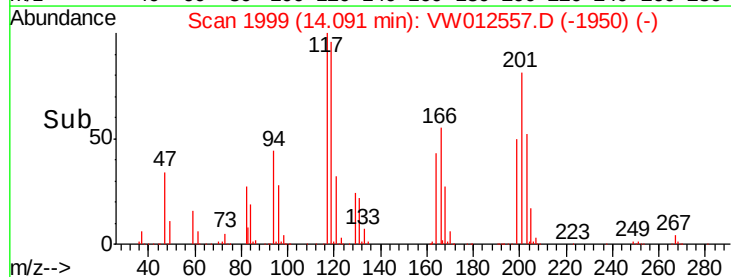
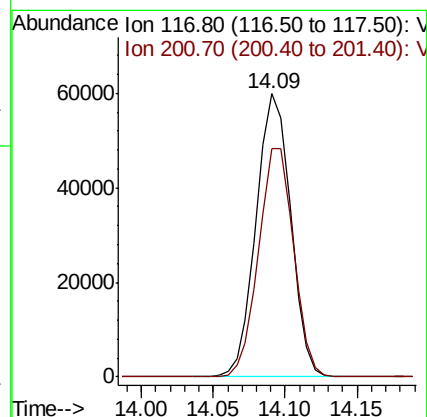
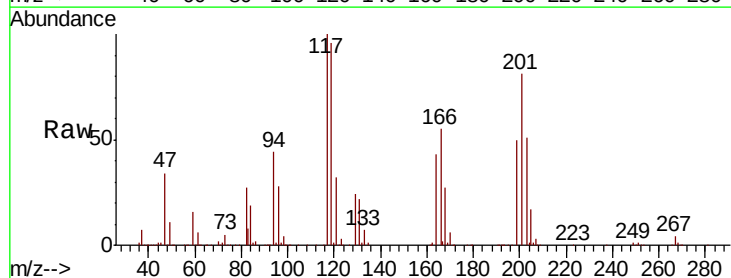
Acq: 03 Sep 2019 19:46

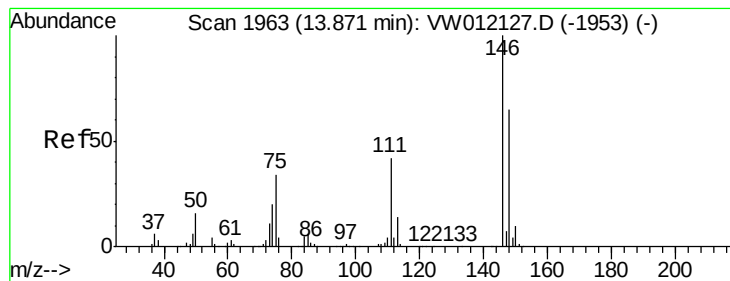
Tgt Ion: 117 Resp: 99307

Ion Ratio Lower Upper

117 100

201 82.1 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 54.792 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

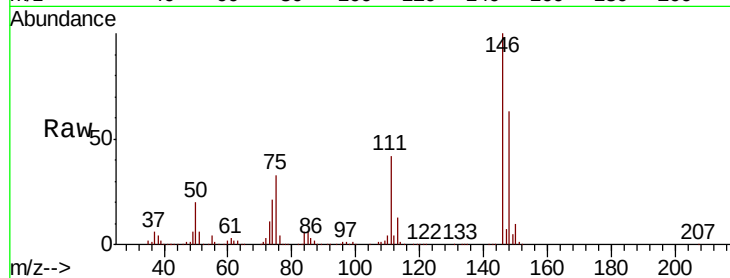
Tgt Ion:146 Resp: 239593

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

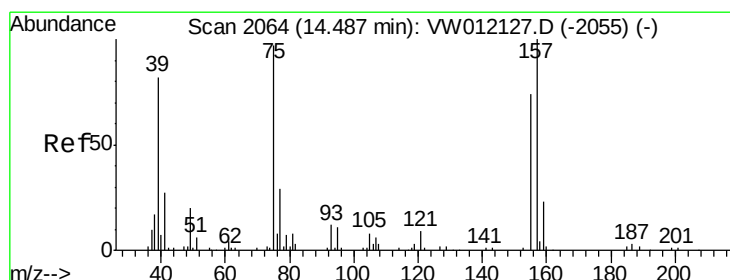
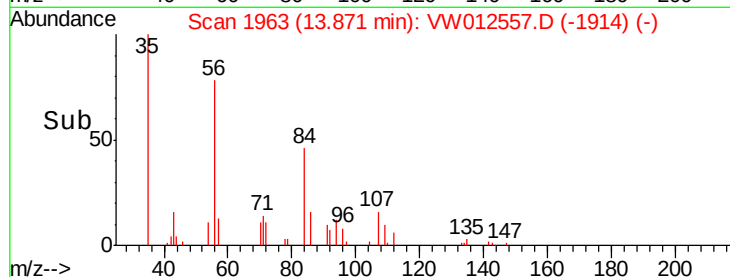
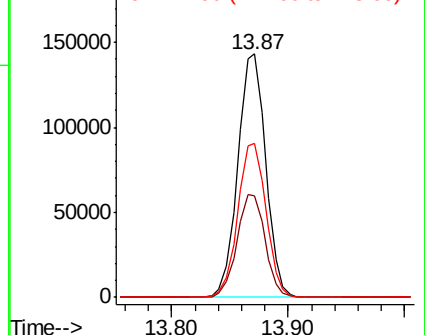
148 64.2 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.146 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

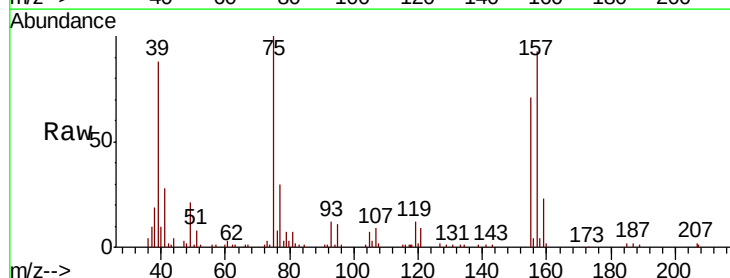
Tgt Ion: 75 Resp: 20805

Ion Ratio Lower Upper

75 100

155 74.7 37.5 112.3

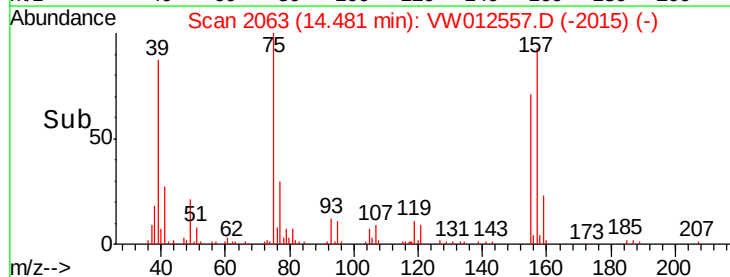
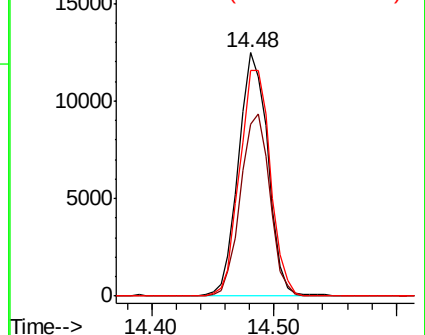
157 96.9 50.5 151.5

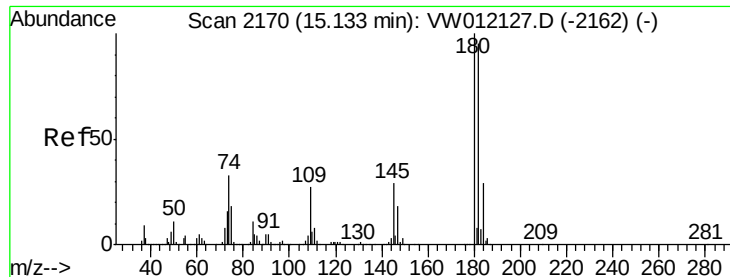


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

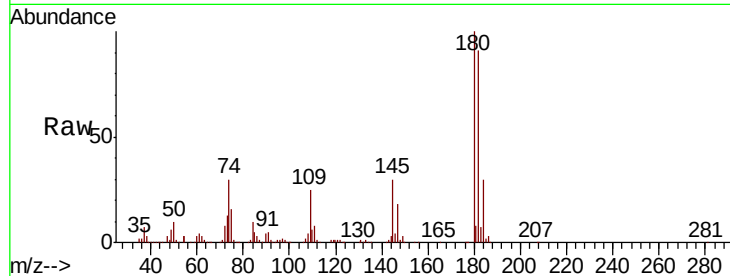




#93
 1,2,4-Trichlorobenzene
 Concen: 57.697 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.4
145	30.0	15.0	45.1

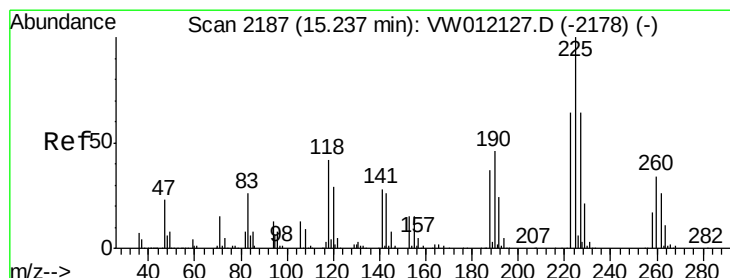
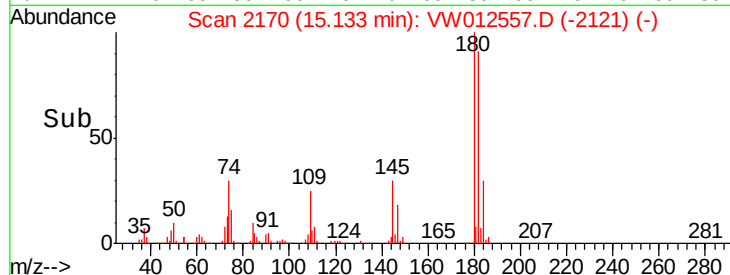
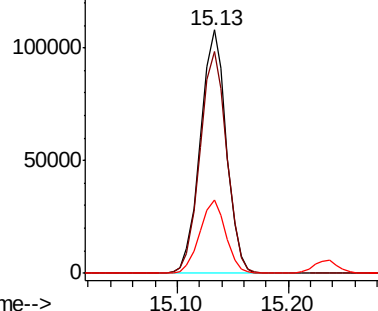


Abundance

Ion 179.80 (179.50 to 180.50): V

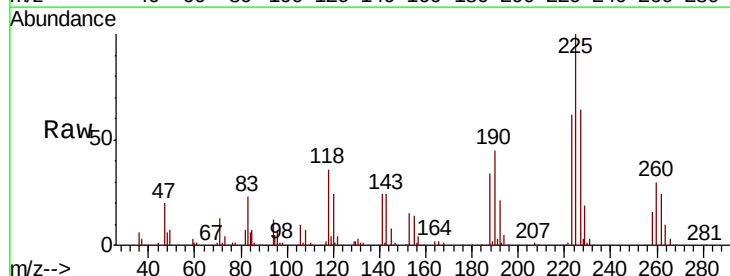
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.092 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012557.D
 Acq: 03 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.3	96.8
227	63.5	32.9	98.6

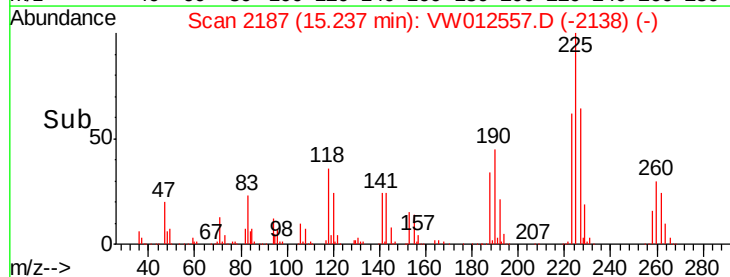
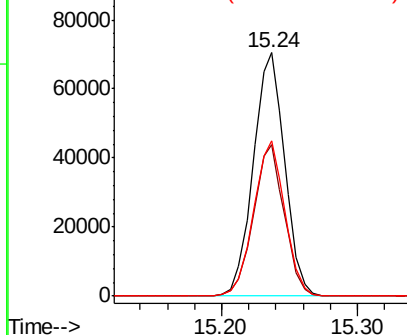


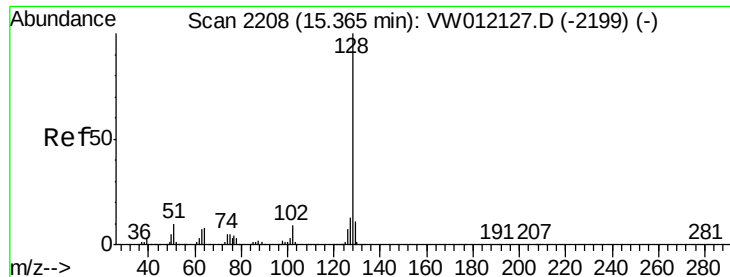
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

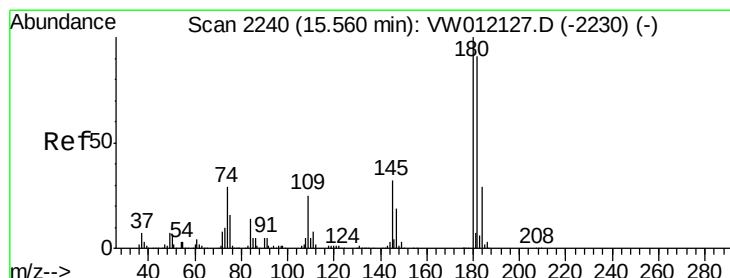
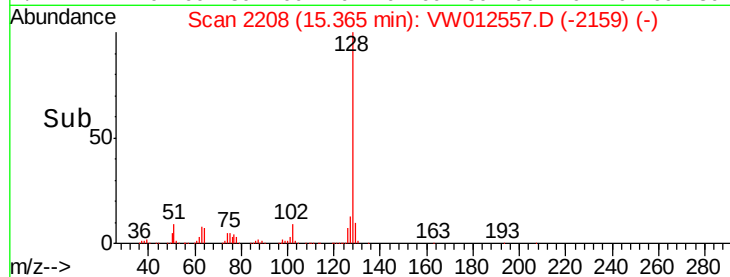
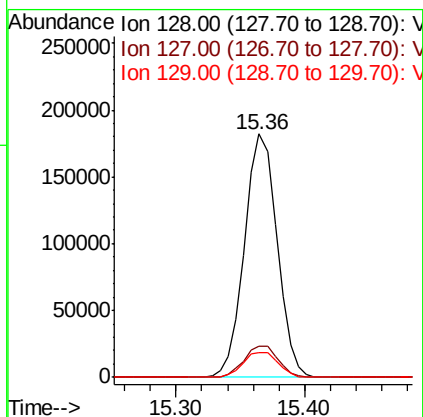
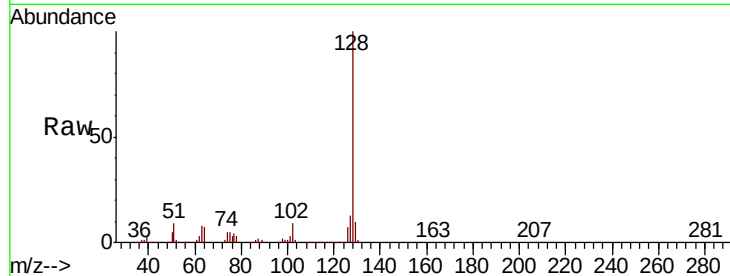




#95
Naphthalene
Concen: 53.515 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 319306
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.526 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012557.D
Acq: 03 Sep 2019 19:46

Tgt Ion:180 Resp: 151669
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 32.1 16.2 48.5

