

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012266.D
 Acq On : 28 Aug 2019 20:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 29 06:49:30 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	222852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	151883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135231	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.88	113	106878	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	426986	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.62	95	153015	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66841	48.711	ug/l	94
3) Chloromethane	2.21	50	108575	51.072	ug/l	99
4) Vinyl Chloride	2.36	62	129798	49.884	ug/l	99
5) Bromomethane	2.77	94	68257	51.797	ug/l	97
6) Chloroethane	2.92	64	77142	52.554	ug/l	94
7) Trichlorofluoromethane	3.26	101	70856	54.231	ug/l	99
8) Diethyl Ether	3.68	74	70575	56.908	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116864	52.621	ug/l	99
10) Methyl Iodide	4.27	142	162091	53.942	ug/l	99
11) Tert butyl alcohol	5.18	59	51795	324.885	ug/l	100
12) 1,1-Dichloroethene	4.04	96	115568	51.701	ug/l	99
13) Acrolein	3.89	56	37335	248.783	ug/l	98
14) Allyl chloride	4.67	41	259463	54.295	ug/l	99
15) Acrylonitrile	5.36	53	193341	314.528	ug/l	99
16) Acetone	4.12	43	175966	259.850	ug/l	99
17) Carbon Disulfide	4.38	76	344481	50.992	ug/l	100
18) Methyl Acetate	4.67	43	107380	64.021	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	217017	60.035	ug/l	99
20) Methylene Chloride	4.92	84	136696	53.396	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	127416	53.156	ug/l	95
22) Diisopropyl ether	6.31	45	500391	56.491	ug/l	98
23) Vinyl Acetate	6.25	43	1626984	298.459	ug/l	100
24) 1,1-Dichloroethane	6.21	63	258538	53.606	ug/l	100
25) 2-Butanone	7.17	43	272575	296.209	ug/l	99
26) 2,2-Dichloropropane	7.17	77	140887	51.610	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	140763	54.964	ug/l	99
28) Bromochloromethane	7.51	49	106686	50.752	ug/l #	24
29) Tetrahydrofuran	7.52	42	179498	325.125	ug/l	99
30) Chloroform	7.67	83	236419	53.579	ug/l	100
31) Cyclohexane	7.95	56	234394	49.122	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	186475	53.421	ug/l	99
36) 1,1-Dichloropropene	8.08	75	194366	52.297	ug/l	99
37) Ethyl Acetate	7.25	43	122685	60.239	ug/l	98
38) Carbon Tetrachloride	8.07	117	167721	52.139	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	220206	52.741	ug/l	99
40) Benzene	8.32	78	534269	52.646	ug/l	100
41) Methacrylonitrile	7.48	41	76773	64.138	ug/l	95
42) 1,2-Dichloroethane	8.40	62	174511	54.868	ug/l	98
43) Isopropyl Acetate	8.42	43	231498	61.365	ug/l	98
44) Trichloroethene	9.09	130	130912	53.065	ug/l	99
45) 1,2-Dichloropropane	9.37	63	147904	54.153	ug/l	98
46) Dibromomethane	9.46	93	69227	56.967	ug/l	99
47) Bromodichloromethane	9.64	83	177739	54.957	ug/l	98
48) Methyl methacrylate	9.43	41	110488	61.536	ug/l	99
49) 1,4-Dioxane	9.45	88	23999	1290.035	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	602723	314.116	ug/l	100
52) Toluene	10.38	92	328537	53.889	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187366	56.874	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	220664	55.474	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	99592	57.924	ug/l	99
56) Ethyl methacrylate	10.65	69	155627	62.192	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185468	57.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	376111	292.860	ug/l	99
59) 2-Hexanone	10.97	43	411569	303.144	ug/l	99
60) Dibromochloromethane	11.13	129	110038	57.459	ug/l	99
61) 1,2-Dibromoethane	11.23	107	93261	58.223	ug/l	99
64) Tetrachloroethene	10.86	164	110169	54.047	ug/l	99
65) Chlorobenzene	11.66	112	330689	53.415	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	118977	55.088	ug/l	100
67) Ethyl Benzene	11.73	91	635961	53.326	ug/l	98
68) m/p-Xylenes	11.84	106	455776	106.097	ug/l	100
69) o-Xylene	12.16	106	217449	54.691	ug/l	99
70) Styrene	12.18	104	378919	55.060	ug/l	100
71) Bromoform	12.35	173	63870	59.355	ug/l	99
73) Isopropylbenzene	12.46	105	605340	53.190	ug/l	99
74) N-amyl acetate	12.27	43	206695	60.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121939	58.444	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	161186	108.966	ug/l #	100
77) Bromobenzene	12.74	156	132523	53.825	ug/l	99
78) n-propylbenzene	12.80	91	730467	52.576	ug/l	99
79) 2-Chlorotoluene	12.89	91	415819	52.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	505028	53.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40276	59.698	ug/l	98
82) 4-Chlorotoluene	12.99	91	434308	52.584	ug/l	100
83) tert-Butylbenzene	13.21	119	436813	54.225	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	501369	52.484	ug/l	100
85) sec-Butylbenzene	13.38	105	608572	52.731	ug/l	99
86) p-Isopropyltoluene	13.50	119	550795	53.440	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	252431	52.417	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	252049	52.711	ug/l	100
89) n-Butylbenzene	13.82	91	533196	52.022	ug/l	99
90) Hexachloroethane	14.09	117	96231	53.216	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	226744	53.671	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21446	60.971	ug/l	97

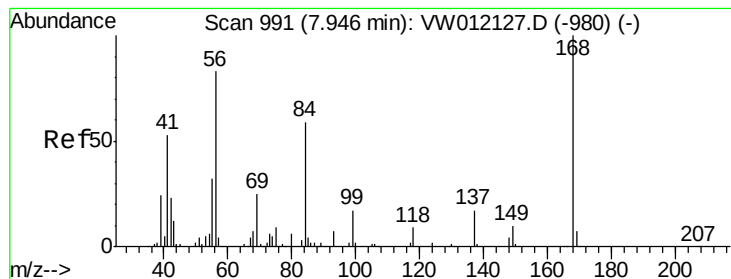
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159199	54.529	ug/l	100
94) Hexachlorobutadiene	15.24	225	102444	53.141	ug/l	97
95) Naphthalene	15.36	128	323647	55.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141553	55.571	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: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

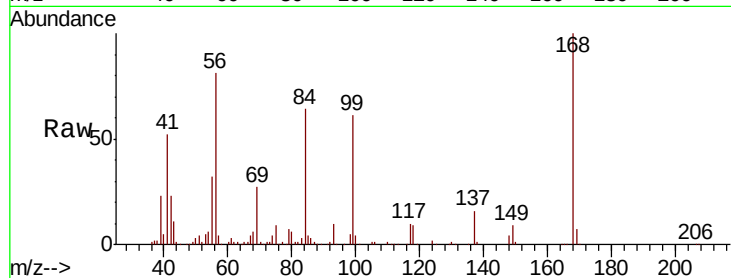
VSTDCCC050EC

Tgt Ion:168 Resp: 222852

Ion Ratio Lower Upper

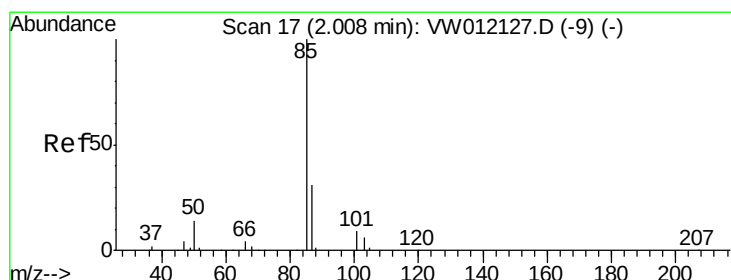
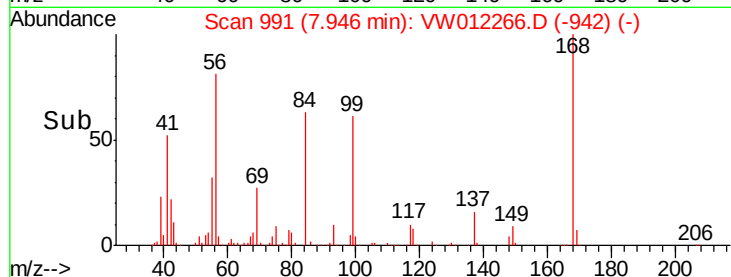
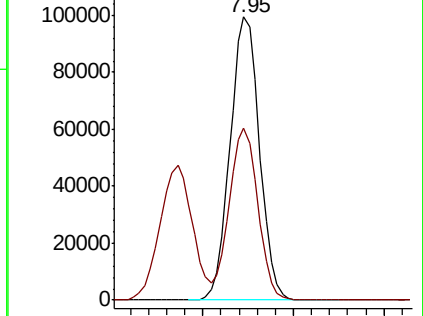
168 100

99 60.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 48.711 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012266.D

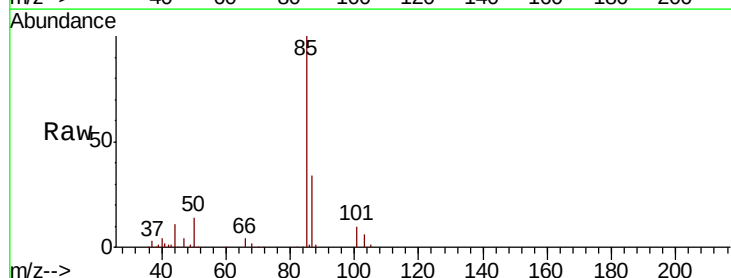
Acq: 28 Aug 2019 20:50

Tgt Ion: 85 Resp: 66841

Ion Ratio Lower Upper

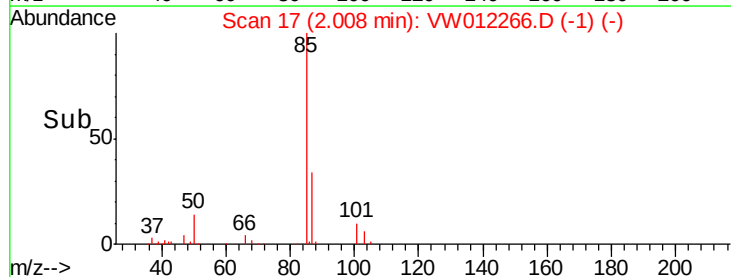
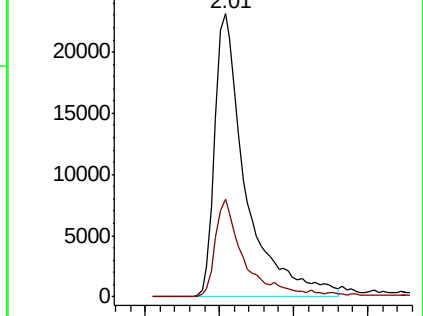
85 100

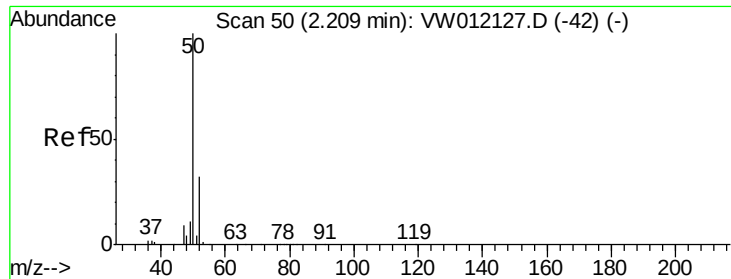
87 34.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.072 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

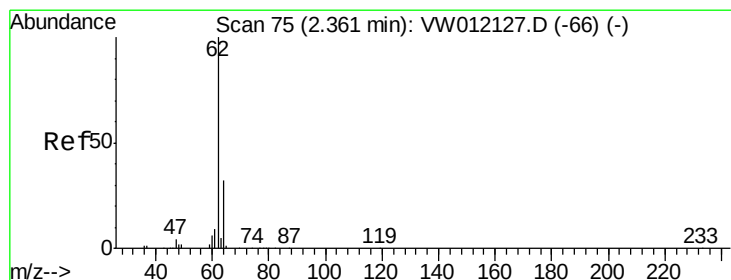
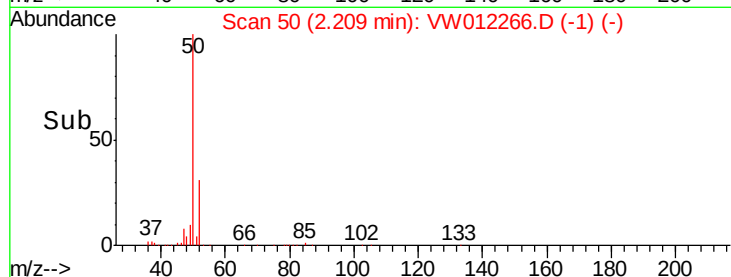
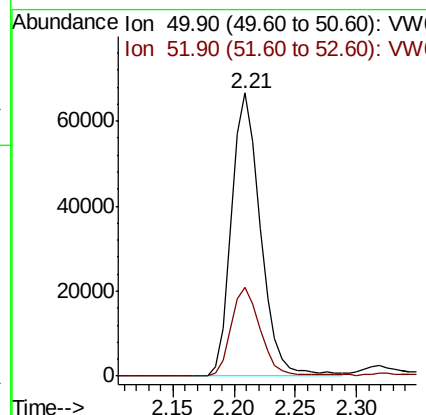
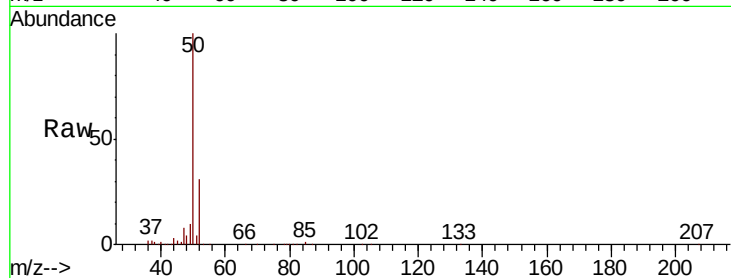
VSTDCCC050EC

Tgt Ion: 50 Resp: 108575

Ion Ratio Lower Upper

50 100

52 31.4 25.5 38.3



#4

Vinyl Chloride

Concen: 49.884 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012266.D

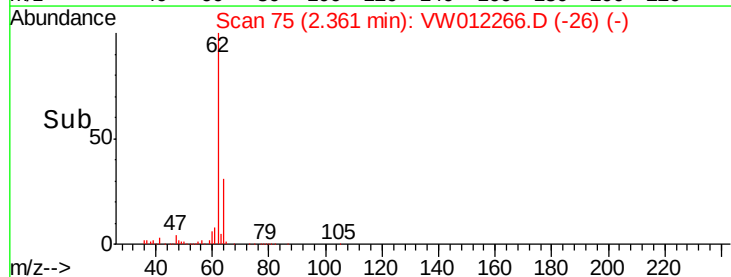
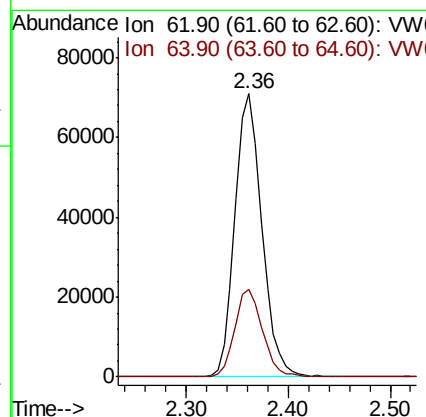
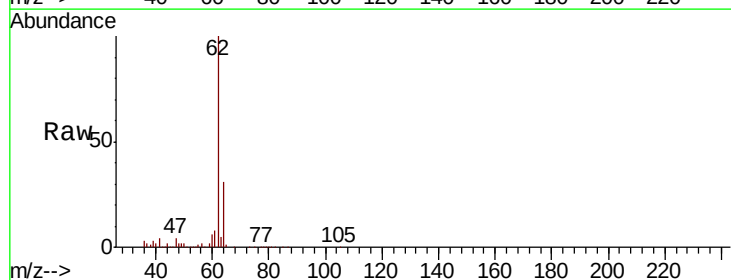
Acq: 28 Aug 2019 20:50

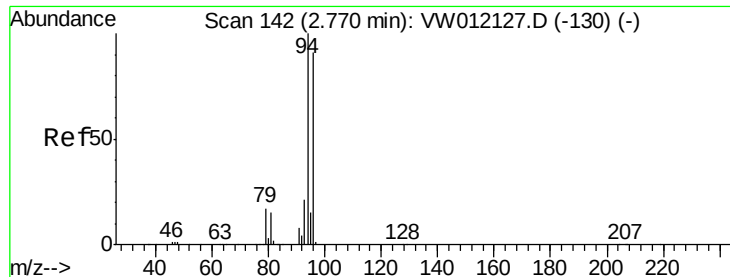
Tgt Ion: 62 Resp: 129798

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 51.797 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

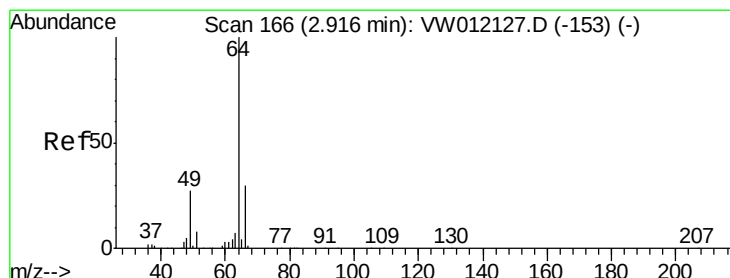
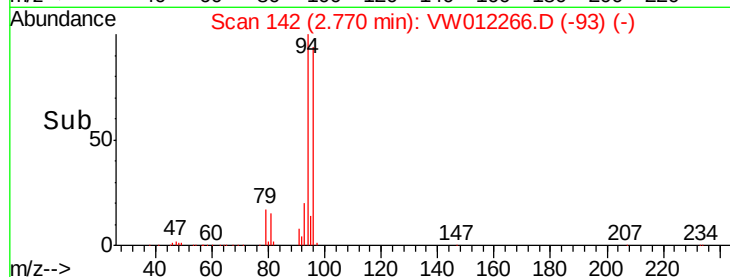
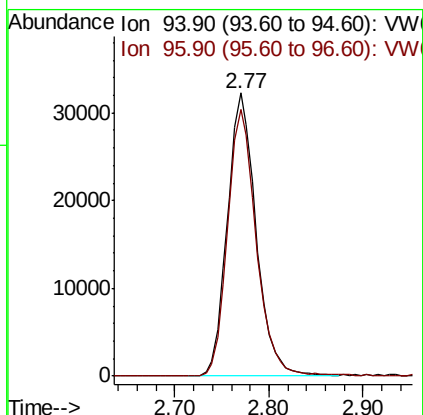
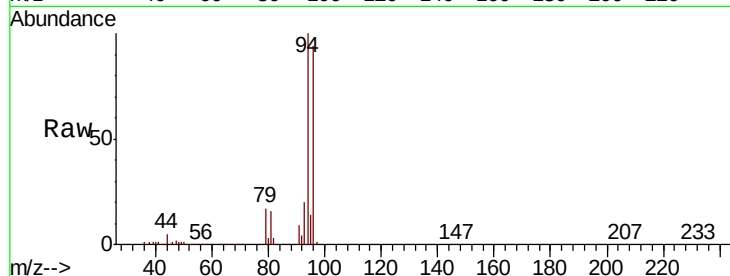
VSTDCCC050EC

Tgt Ion: 94 Resp: 68257

Ion Ratio Lower Upper

94 100

96 94.2 72.9 109.3



#6

Chloroethane

Concen: 52.554 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012266.D

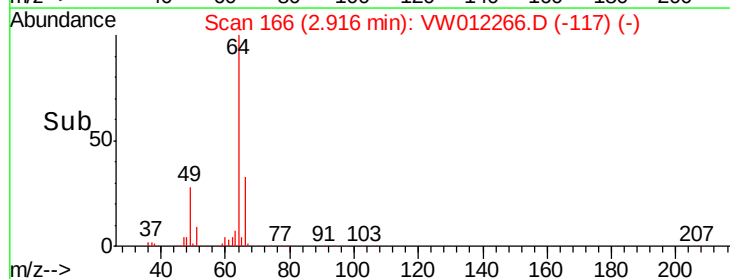
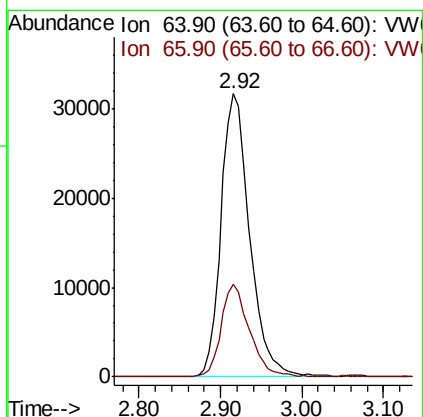
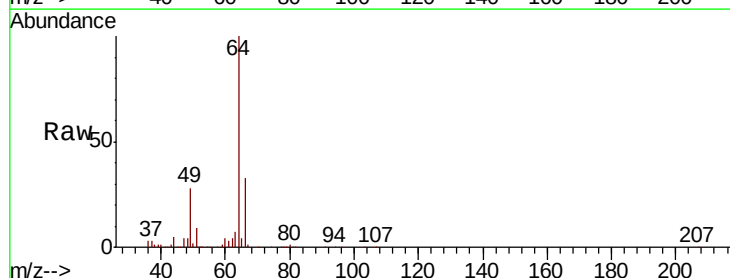
Acq: 28 Aug 2019 20:50

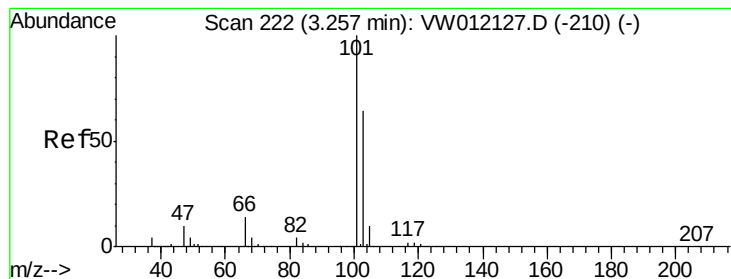
Tgt Ion: 64 Resp: 77142

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8



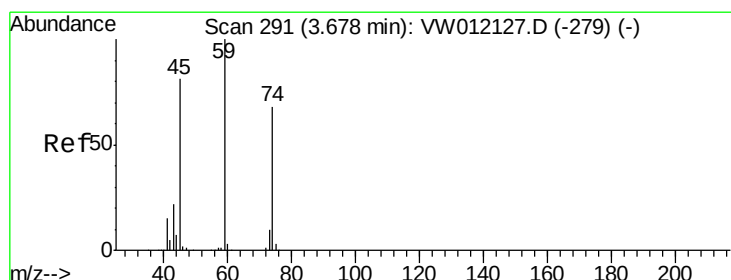
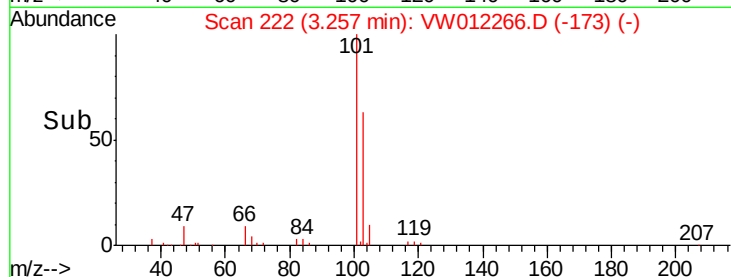
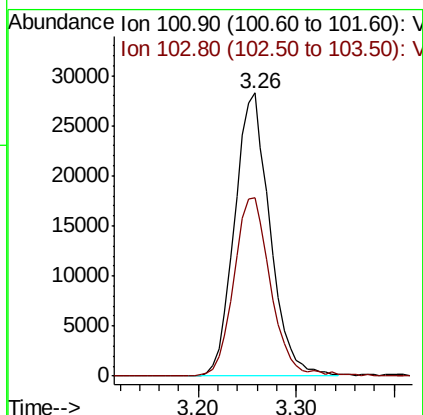
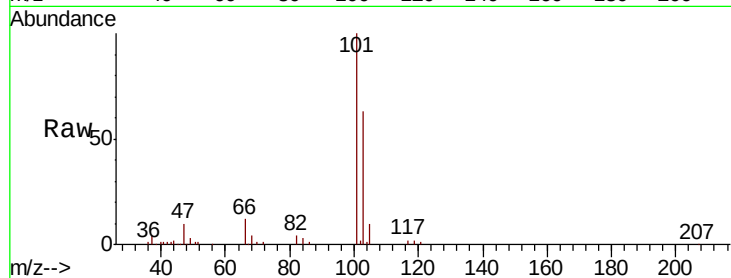


#7

Trichlorofluoromethane
 Concen: 54.231 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

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 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

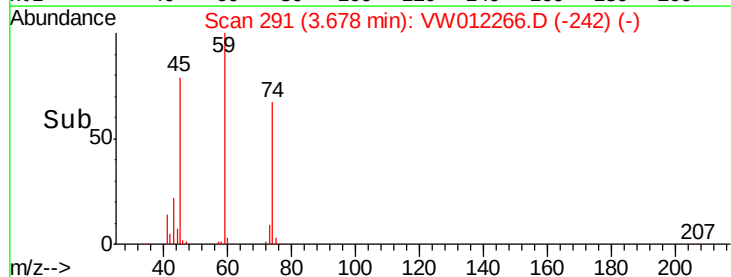
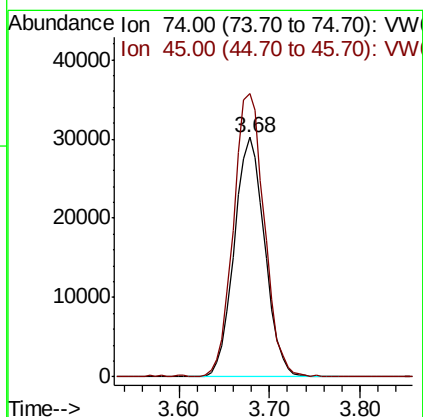
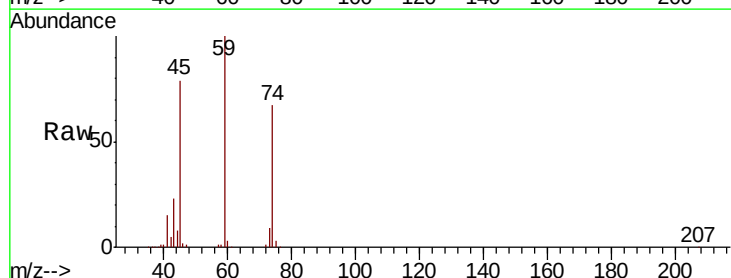
Tgt Ion:101 Resp: 70856
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.2 76.8

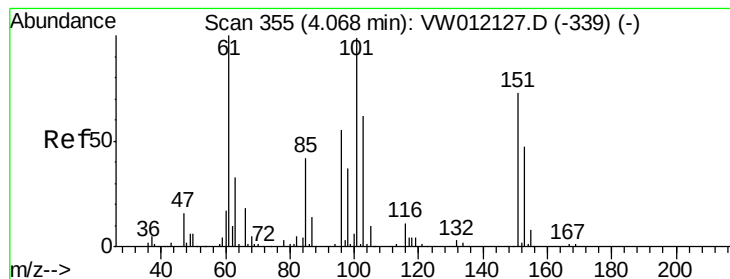


#8

Diethyl Ether
 Concen: 56.908 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 74 Resp: 70575
 Ion Ratio Lower Upper
 74 100
 45 119.2 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.621 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

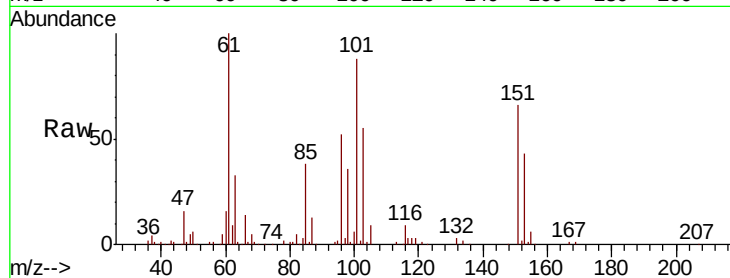
Tgt Ion:101 Resp: 116864

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

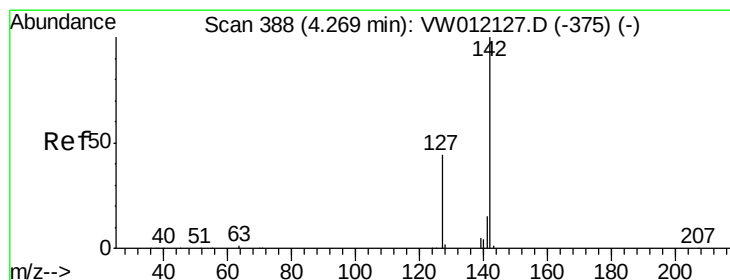
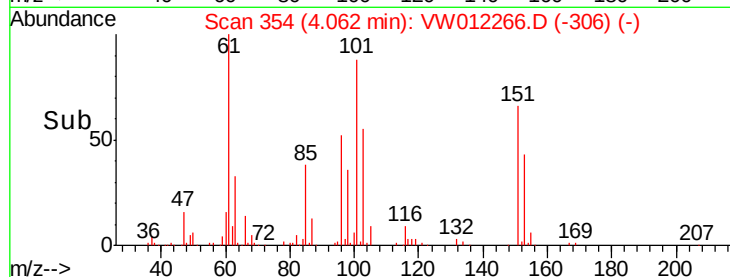
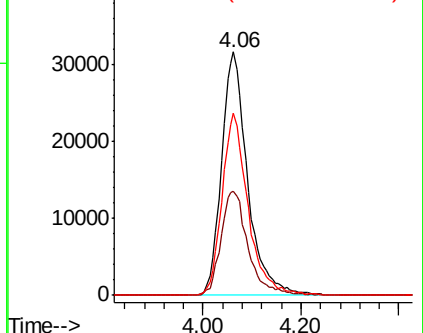
151 74.4 58.6 87.8



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: 53.942 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

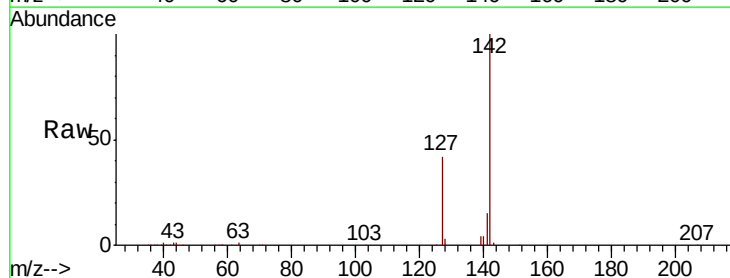
Tgt Ion:142 Resp: 162091

Ion Ratio Lower Upper

142 100

127 43.5 35.5 53.3

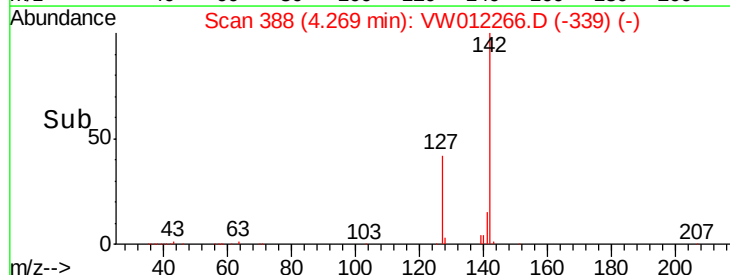
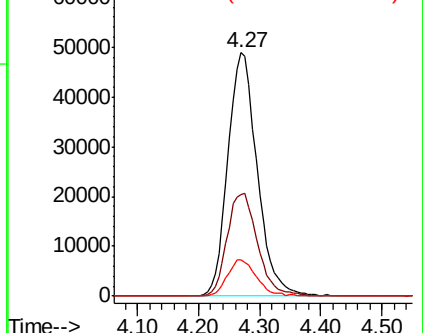
141 14.9 11.8 17.8

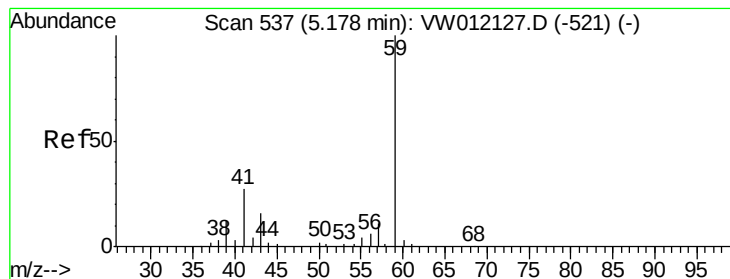


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



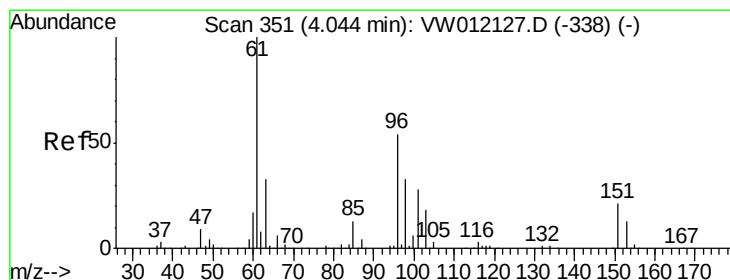
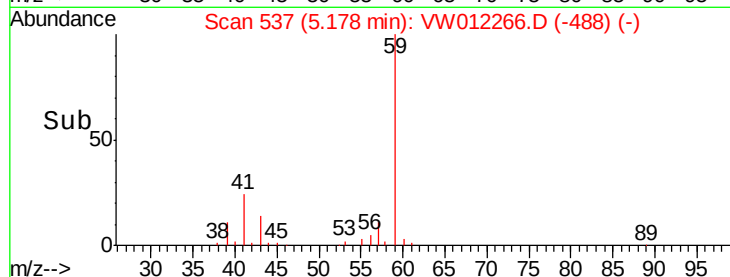
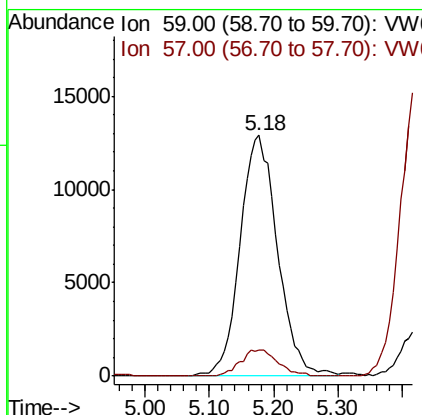
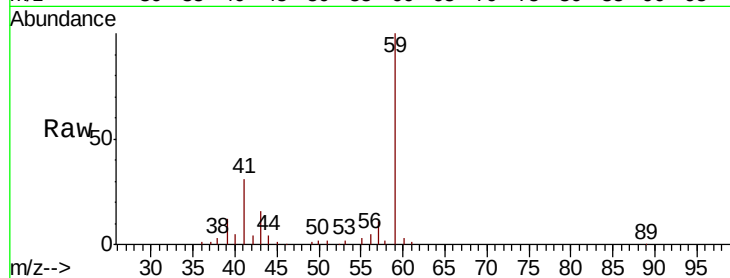


#11

Tert butyl alcohol
 Concen: 324.885 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

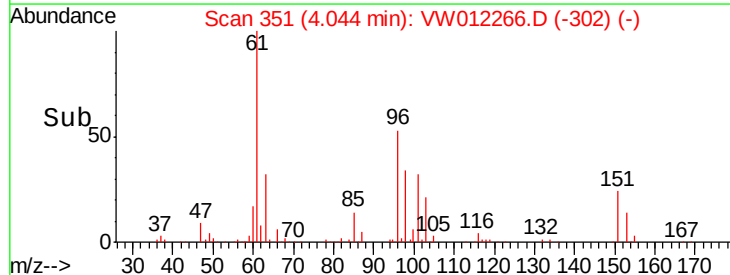
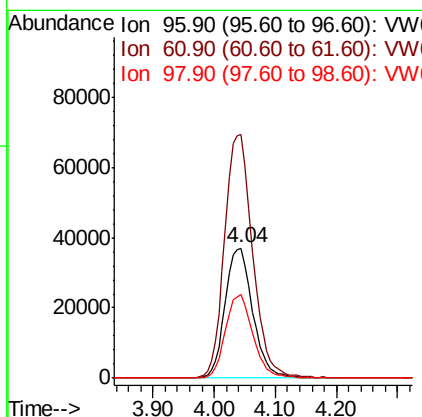
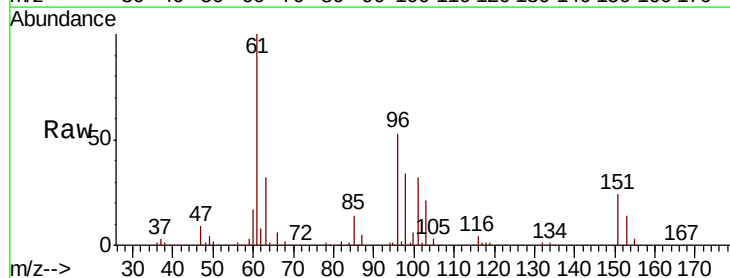
Tgt Ion: 59 Resp: 51795
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.4

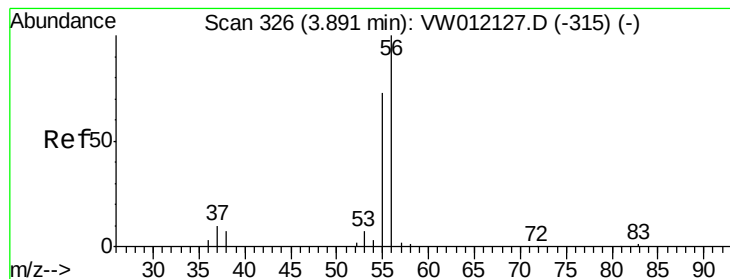


#12

1,1-Dichloroethene
 Concen: 51.701 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 96 Resp: 115568
 Ion Ratio Lower Upper
 96 100
 61 187.5 149.1 223.7
 98 64.6 49.4 74.2





#13

Acrolein

Concen: 248.783 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

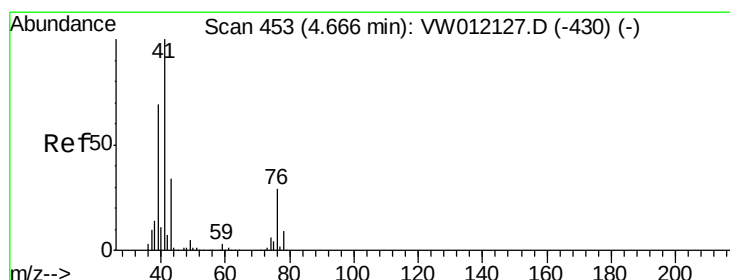
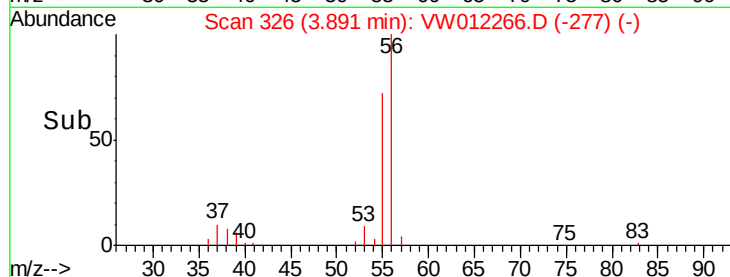
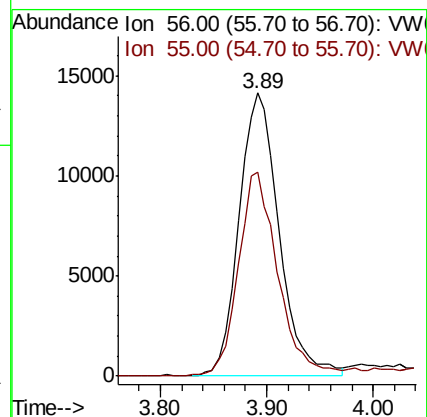
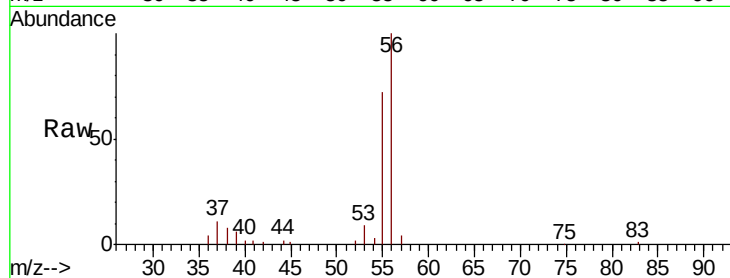
VSTDCCC050EC

Tgt Ion: 56 Resp: 37335

Ion Ratio Lower Upper

56 100

55 71.0 55.8 83.8



#14

Allyl chloride

Concen: 54.295 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

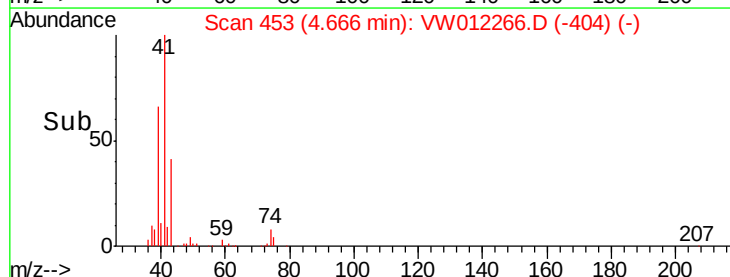
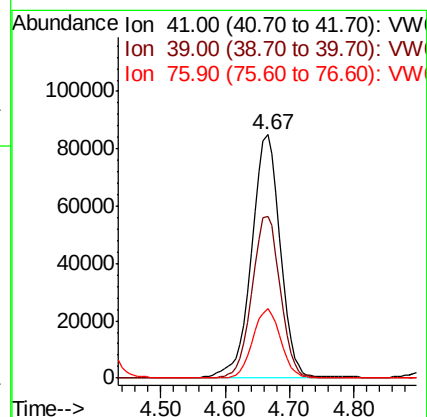
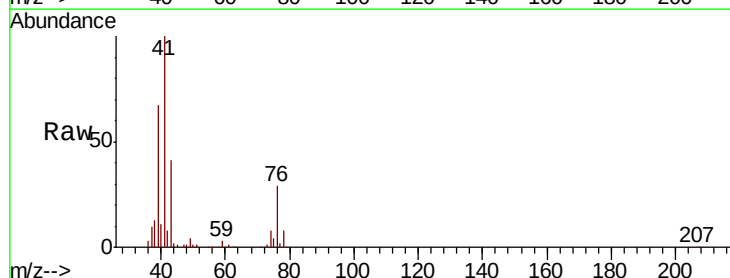
Tgt Ion: 41 Resp: 259463

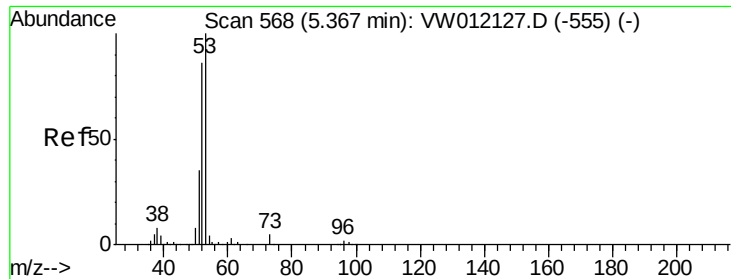
Ion Ratio Lower Upper

41 100

39 65.5 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 314.528 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

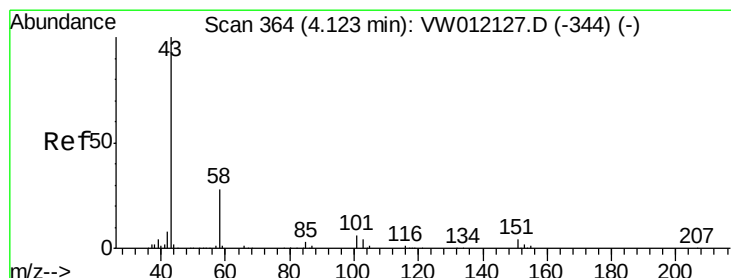
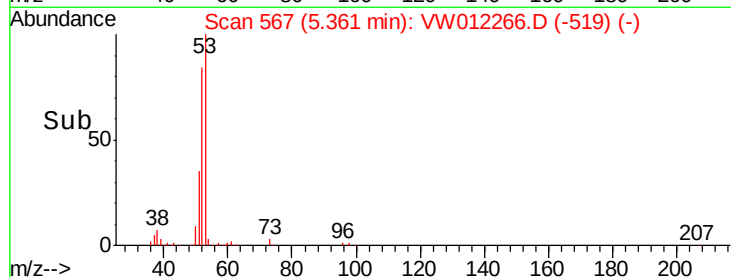
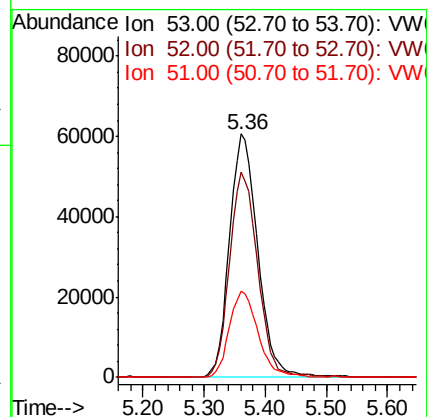
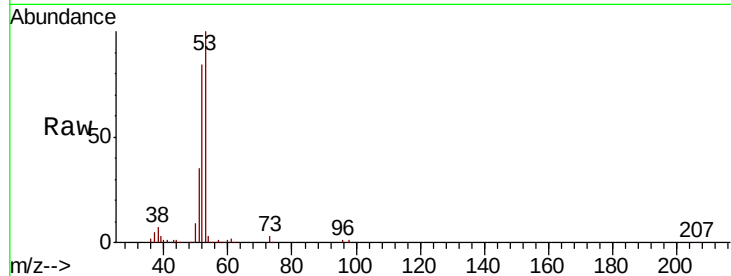
Tgt Ion: 53 Resp: 193341

Ion Ratio Lower Upper

53 100

52 83.2 66.7 100.1

51 35.9 30.1 45.1



#16

Acetone

Concen: 259.850 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012266.D

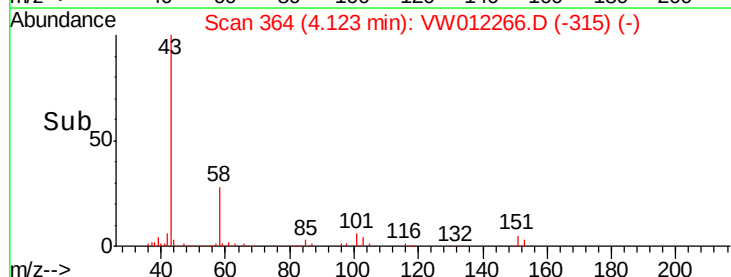
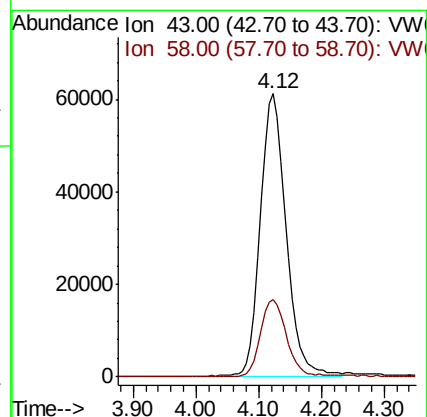
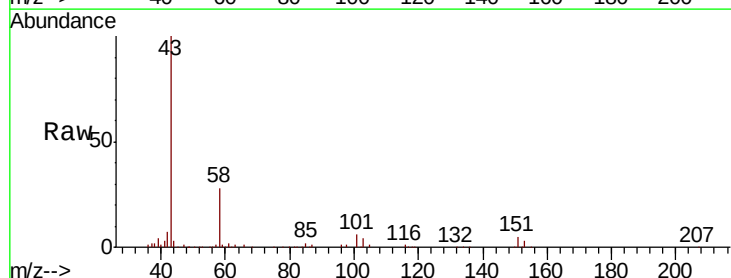
Acq: 28 Aug 2019 20:50

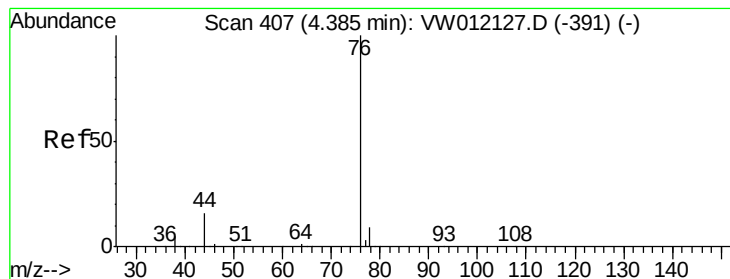
Tgt Ion: 43 Resp: 175966

Ion Ratio Lower Upper

43 100

58 27.3 22.4 33.6





#17

Carbon Disulfide

Concen: 50.992 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

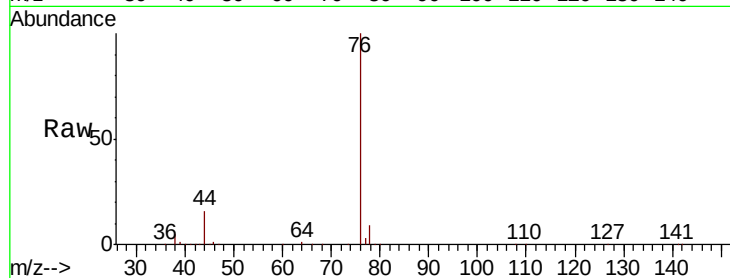
VSTDCCC050EC

Tgt Ion: 76 Resp: 344481

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

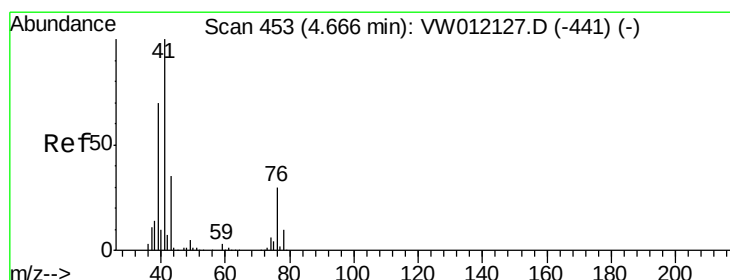
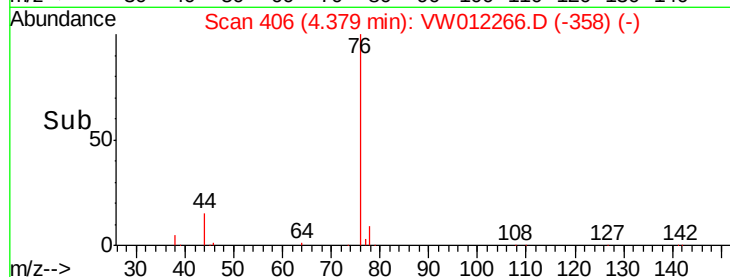
4.38

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 64.021 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012266.D

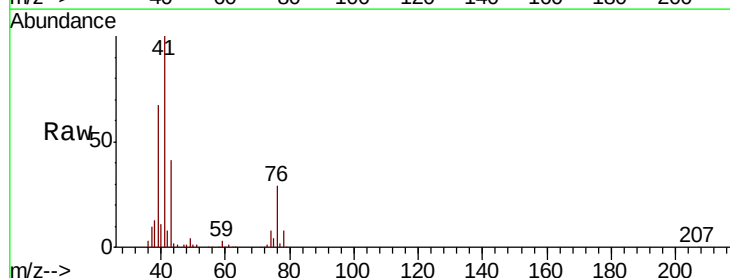
Acq: 28 Aug 2019 20:50

Tgt Ion: 43 Resp: 107380

Ion Ratio Lower Upper

43 100

74 19.1 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

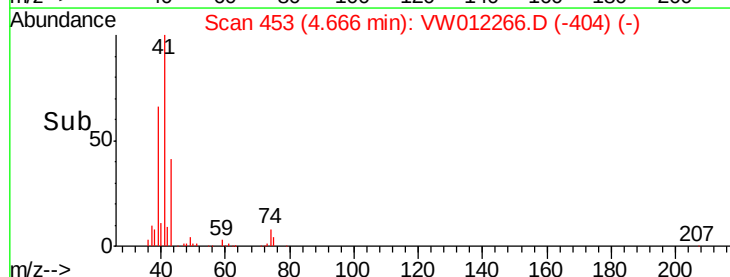
30000

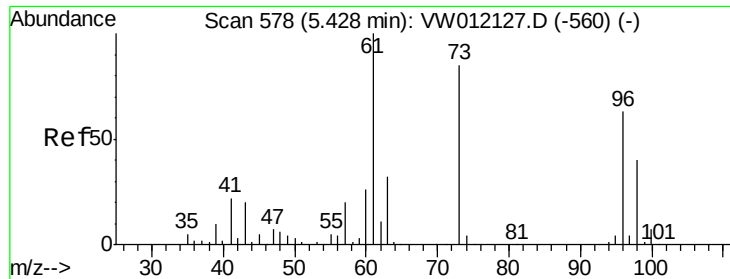
20000

10000

0

Time-->

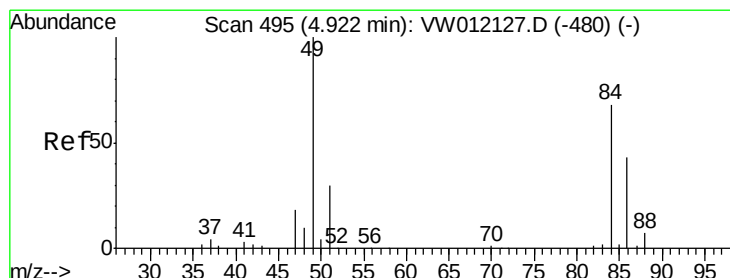
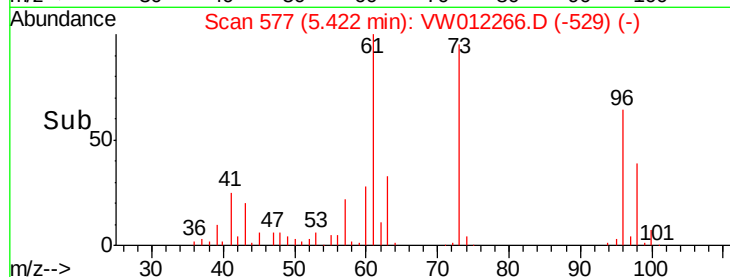
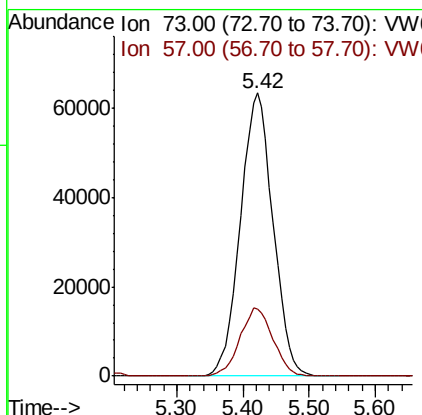
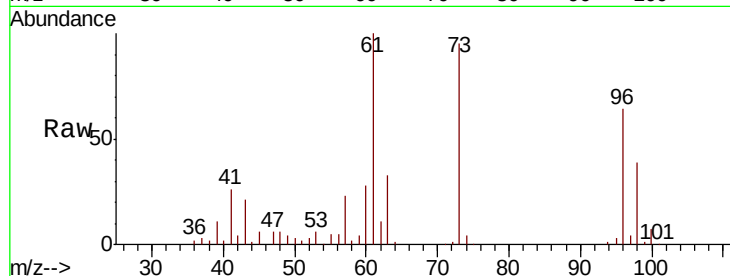




#19
Methyl tert-butyl Ether
Concen: 60.035 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

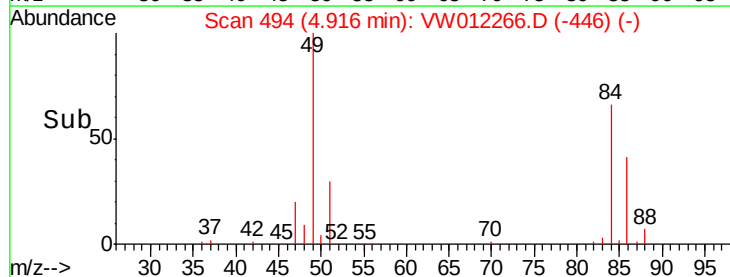
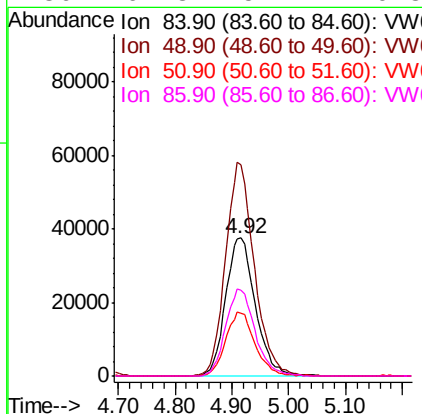
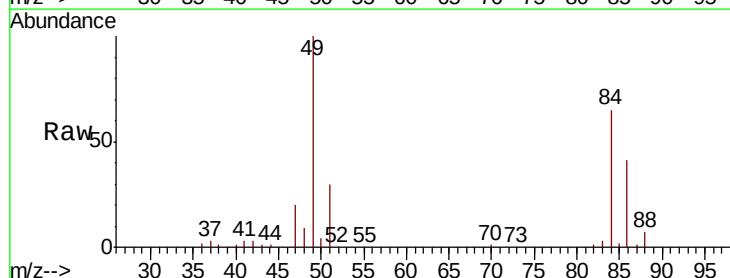
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

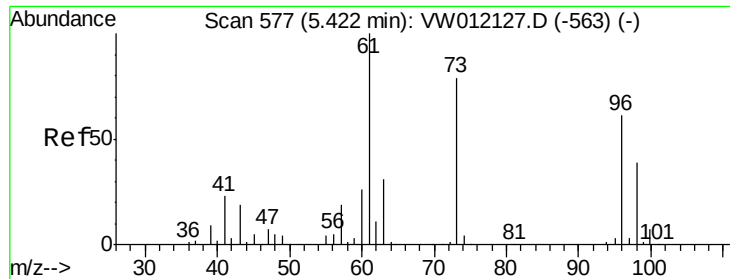
Tgt Ion: 73 Resp: 217017
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3



#20
Methylene Chloride
Concen: 53.396 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 84 Resp: 136696
Ion Ratio Lower Upper
84 100
49 153.5 117.8 176.8
51 45.9 35.6 53.4
86 62.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.156 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

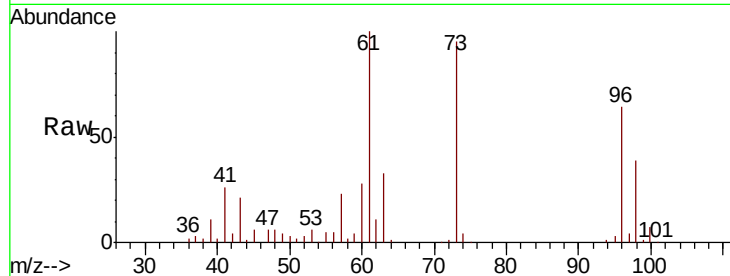
Tgt Ion: 96 Resp: 127416

Ion Ratio Lower Upper

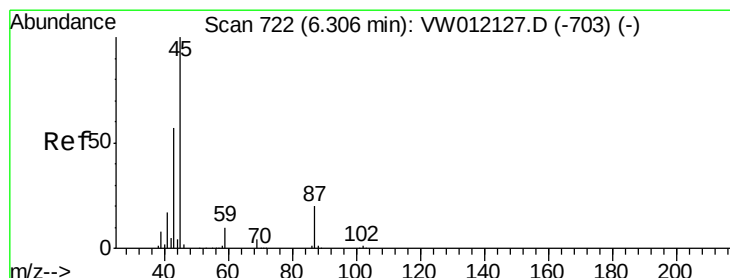
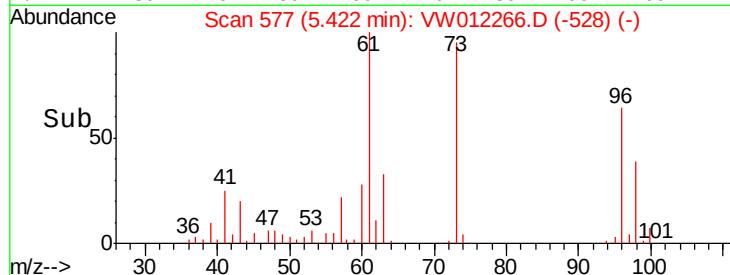
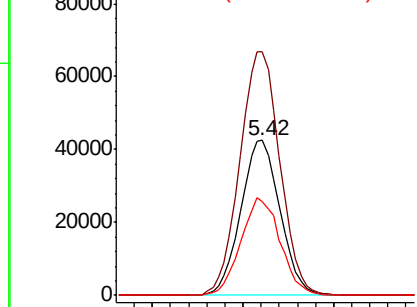
96 100

61 156.7 131.4 197.0

98 60.5 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: 56.491 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion: 45 Resp: 500391

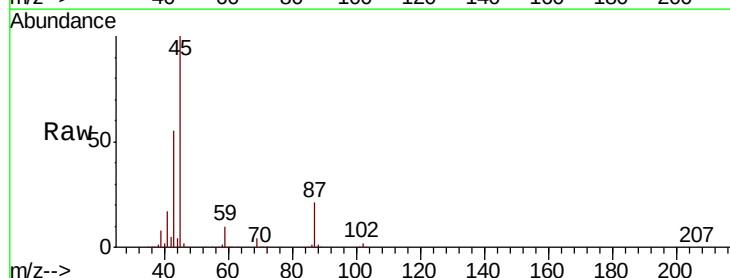
Ion Ratio Lower Upper

45 100

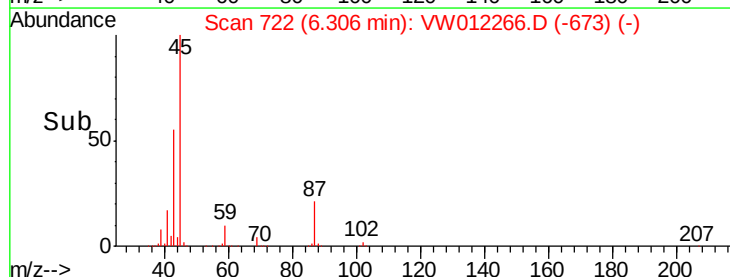
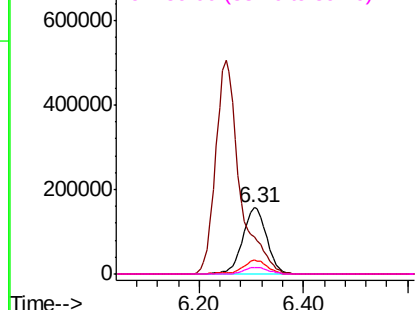
43 55.1 45.5 68.3

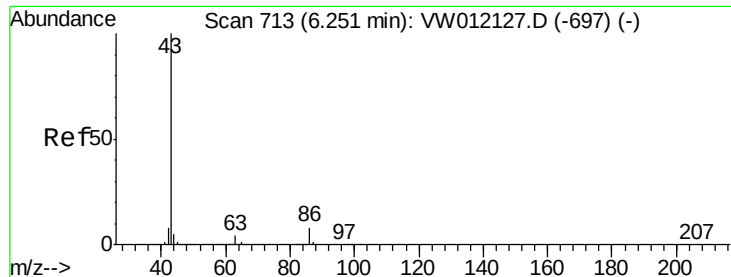
87 20.6 16.1 24.1

59 9.9 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: 298.459 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

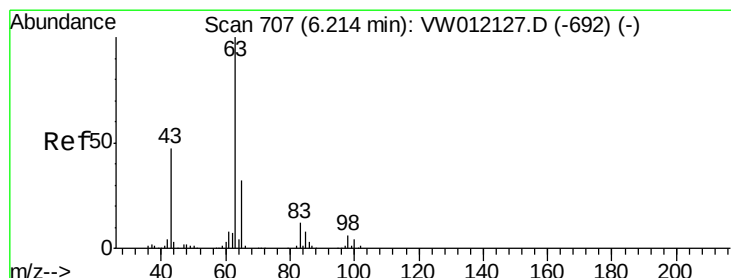
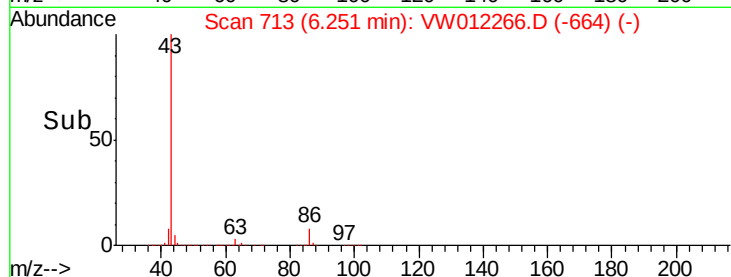
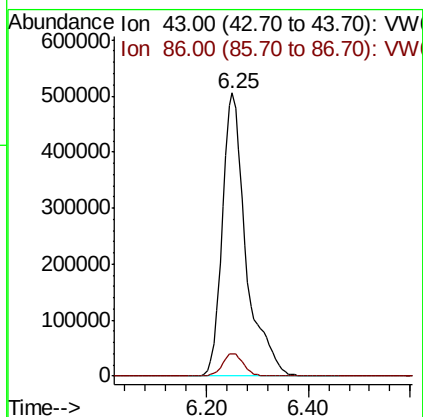
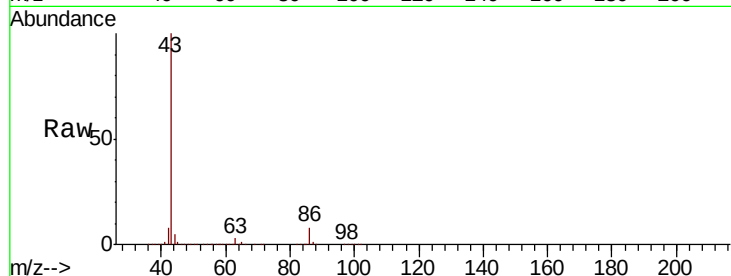
VSTDCCC050EC

Tgt Ion: 43 Resp: 1626984

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 53.606 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

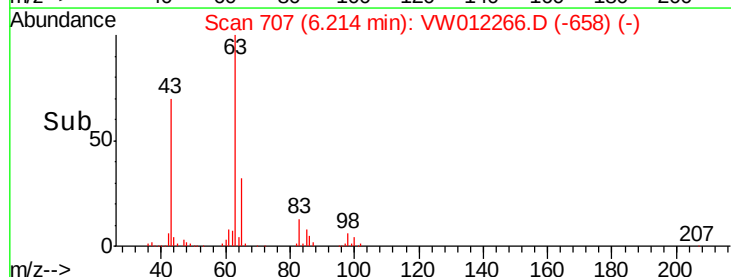
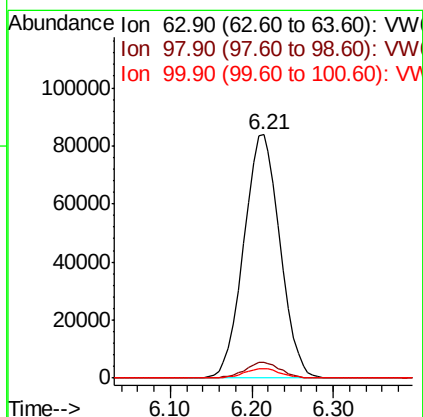
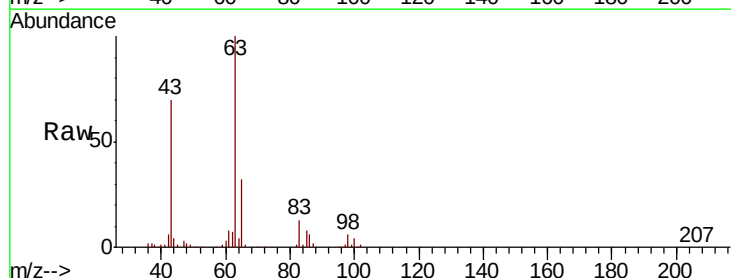
Tgt Ion: 63 Resp: 258538

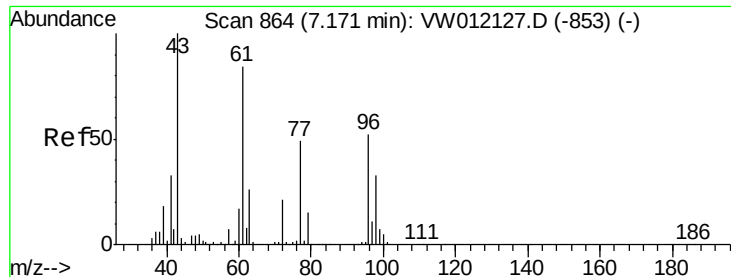
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 296.209 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

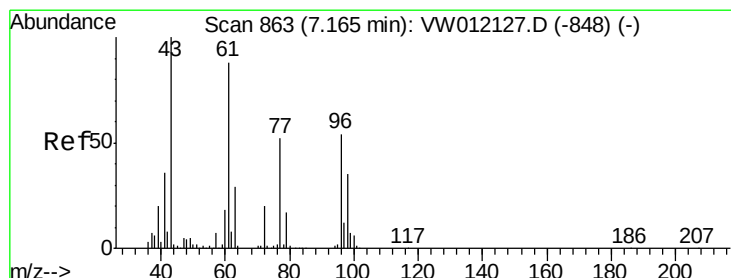
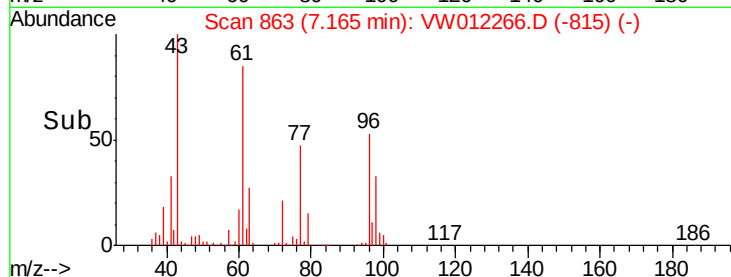
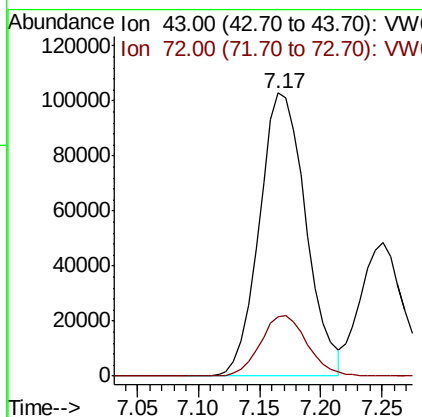
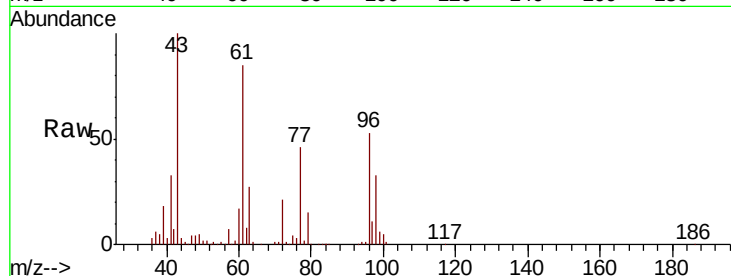
VSTDCCC050EC

Tgt Ion: 43 Resp: 272575

Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 51.610 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012266.D

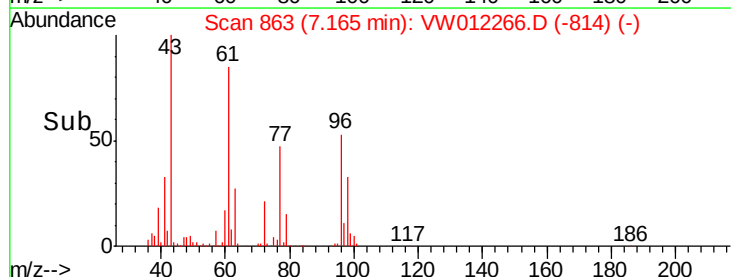
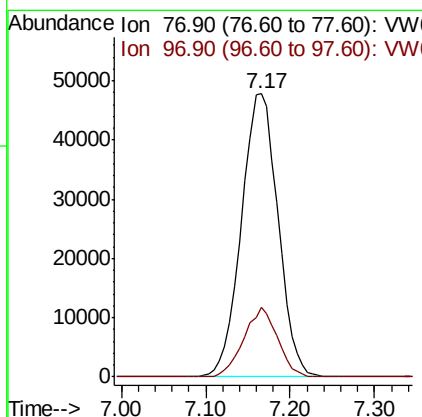
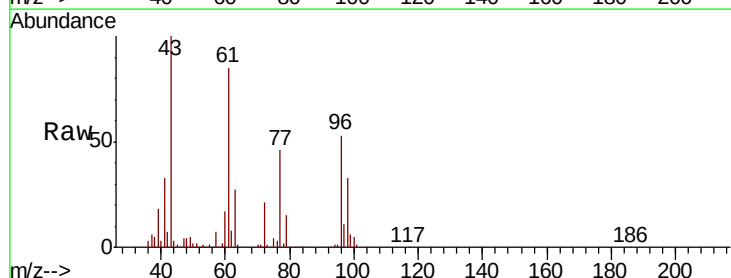
Acq: 28 Aug 2019 20:50

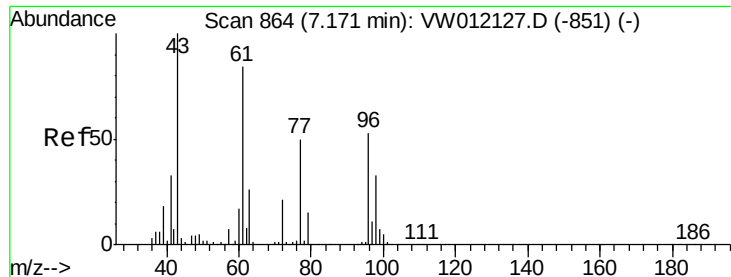
Tgt Ion: 77 Resp: 140887

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1

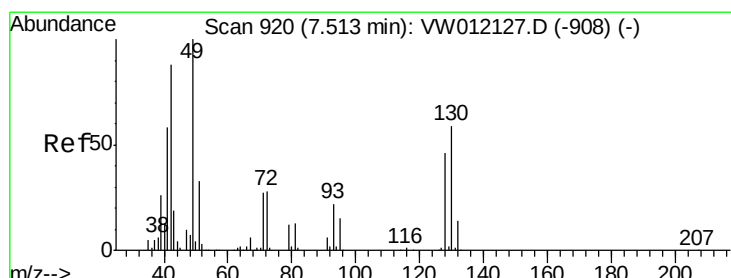
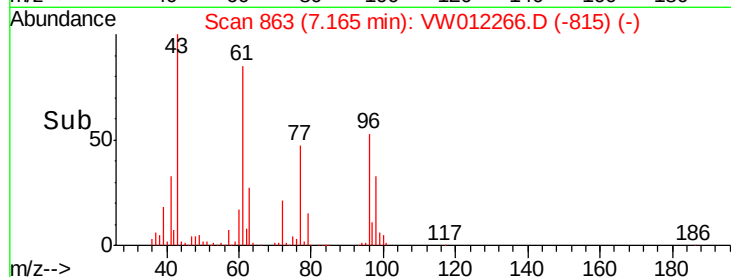
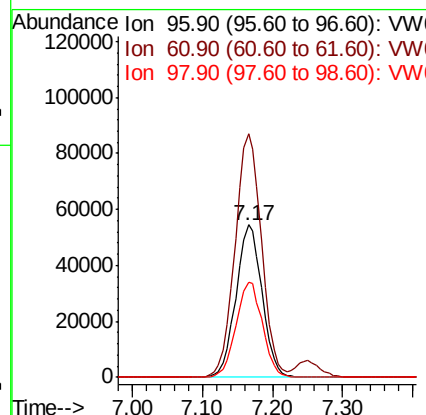
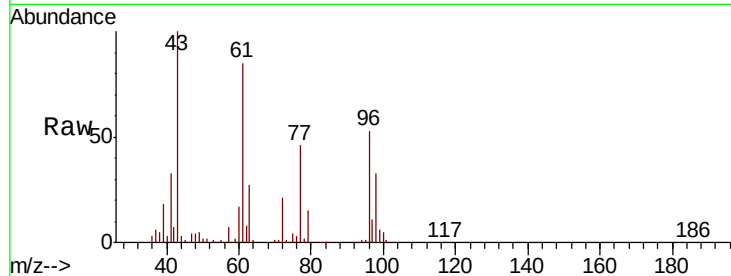




#27
 cis-1,2-Dichloroethene
 Concen: 54.964 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

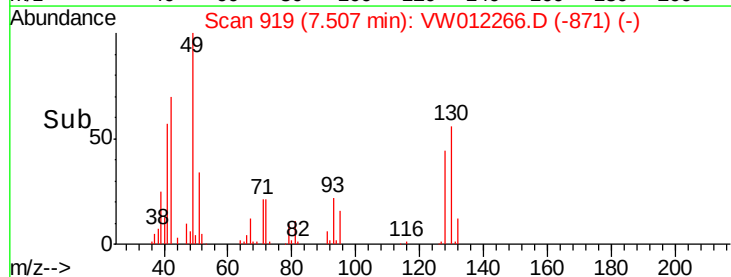
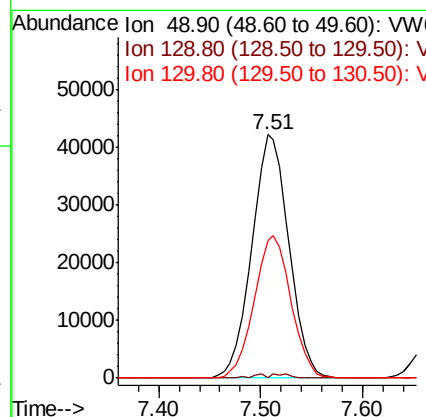
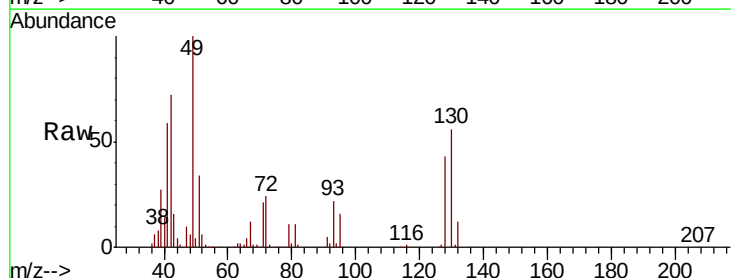
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

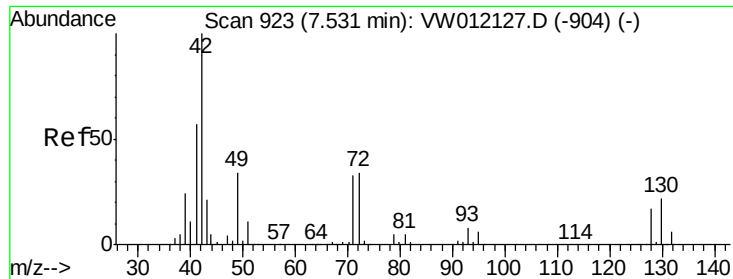
Tgt Ion: 96 Resp: 140763
 Ion Ratio Lower Upper
 96 100
 61 162.0 0.0 326.6
 98 63.3 0.0 127.4



#28
 Bromochloromethane
 Concen: 50.752 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 49 Resp: 106686
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 1.4
 130 0.0 45.5 68.3#





#29

Tetrahydrofuran

Concen: 325.125 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

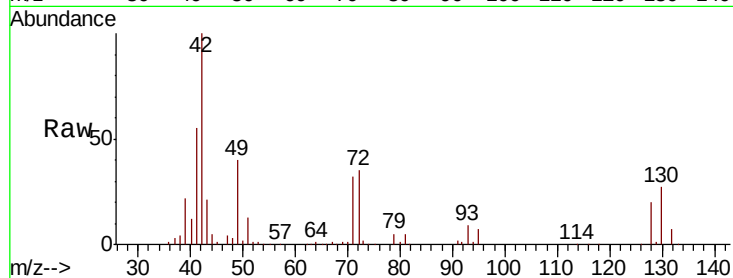
Tgt Ion: 42 Resp: 179498

Ion Ratio Lower Upper

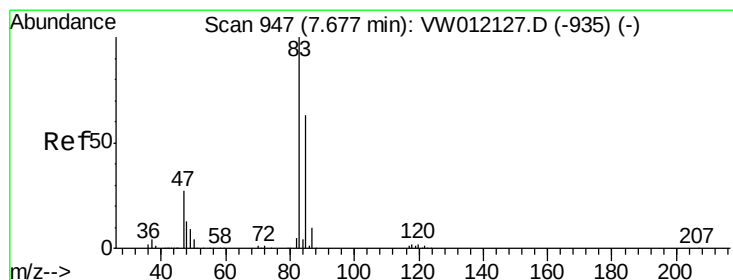
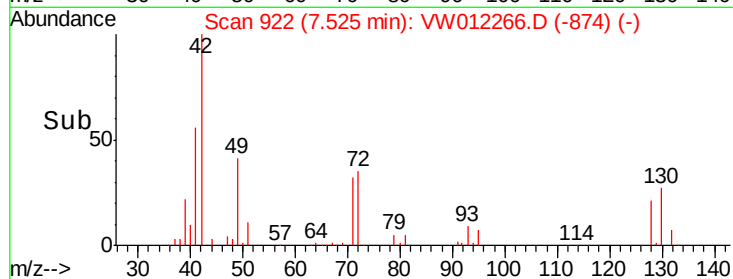
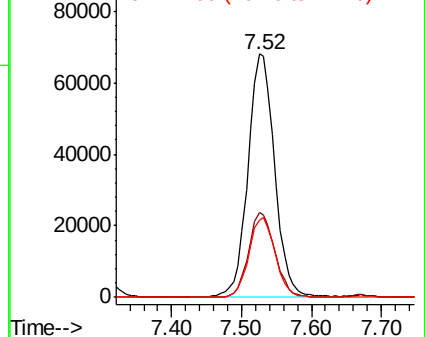
42 100

72 34.7 27.3 40.9

71 32.4 25.5 38.3



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



#30

Chloroform

Concen: 53.579 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012266.D

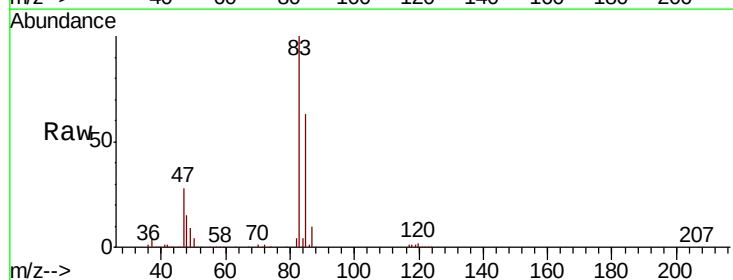
Acq: 28 Aug 2019 20:50

Tgt Ion: 83 Resp: 236419

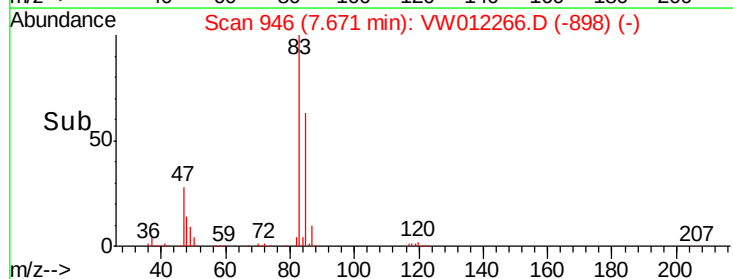
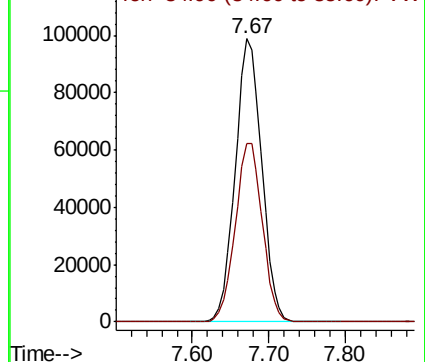
Ion Ratio Lower Upper

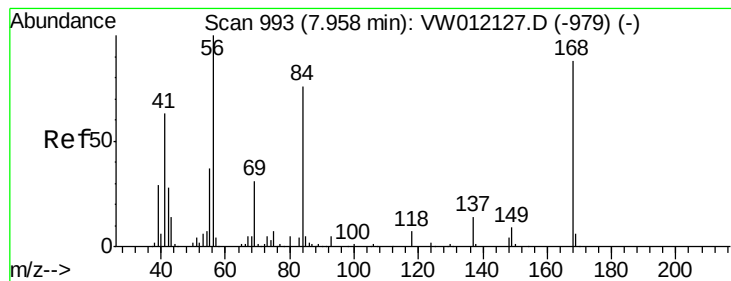
83 100

85 63.2 50.6 76.0



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





#31

Cyclohexane

Concen: 49.122 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

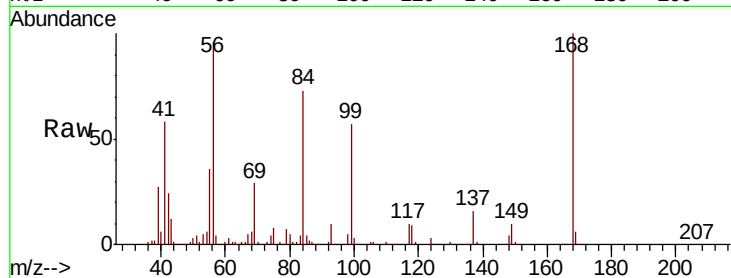
Tgt Ion: 56 Resp: 234394

Ion Ratio Lower Upper

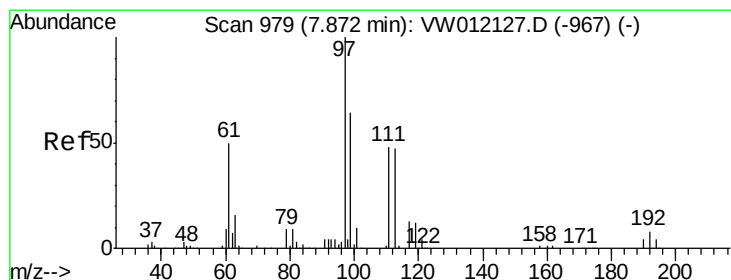
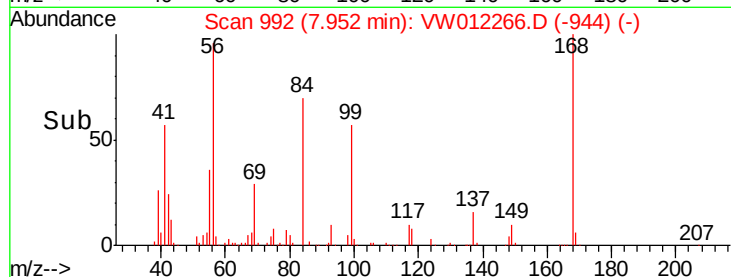
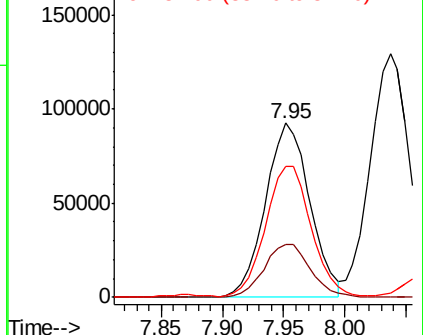
56 100

69 30.6 24.9 37.3

84 74.2 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: 53.421 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

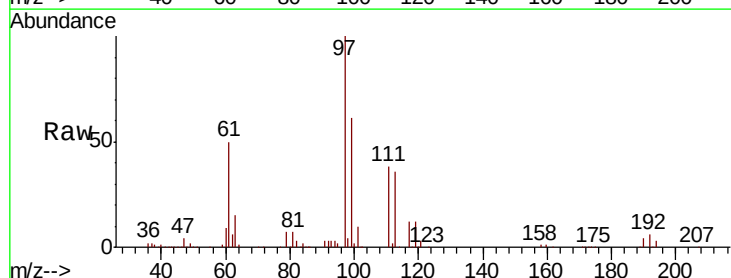
Tgt Ion: 97 Resp: 186475

Ion Ratio Lower Upper

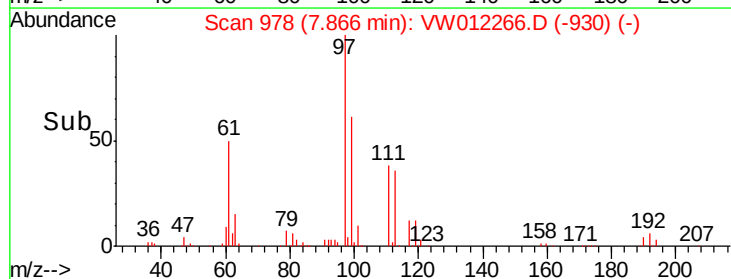
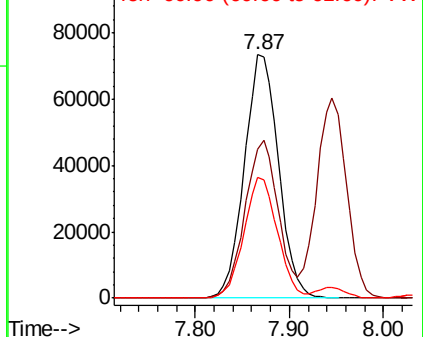
97 100

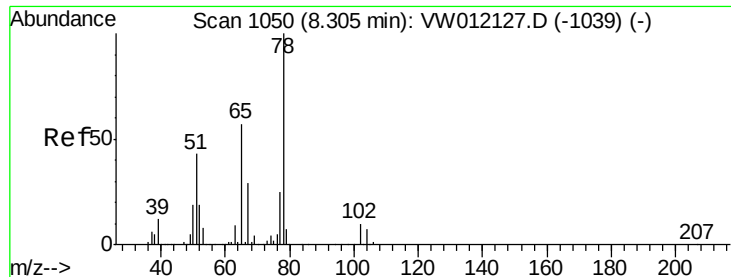
99 63.7 51.4 77.0

61 48.9 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

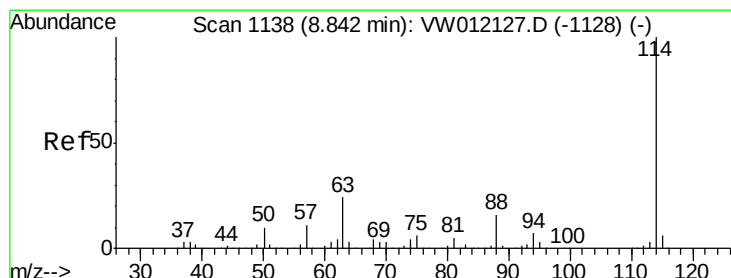
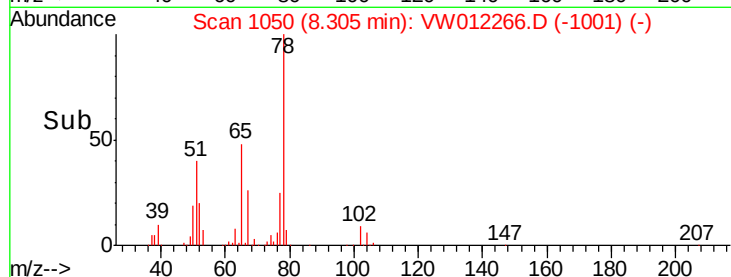
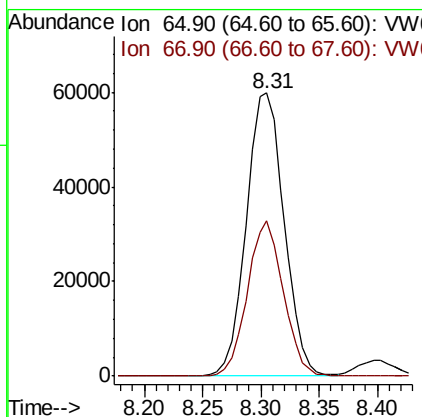
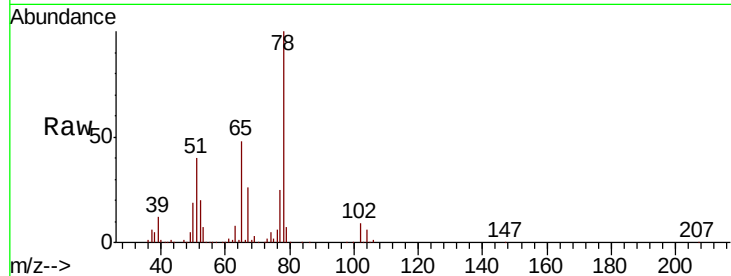




#33
 1,2-Dichloroethane-d4
 Concen: 51.047 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

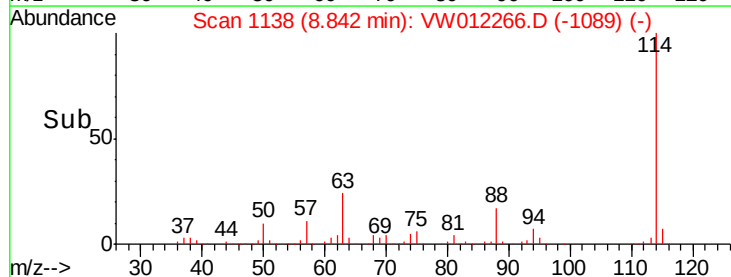
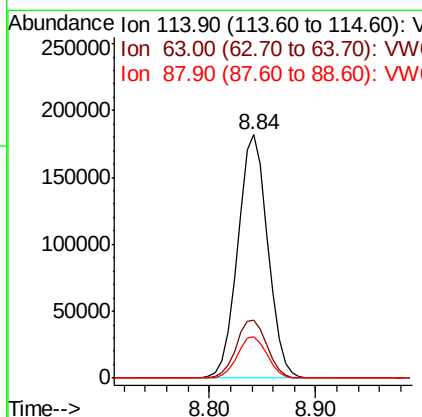
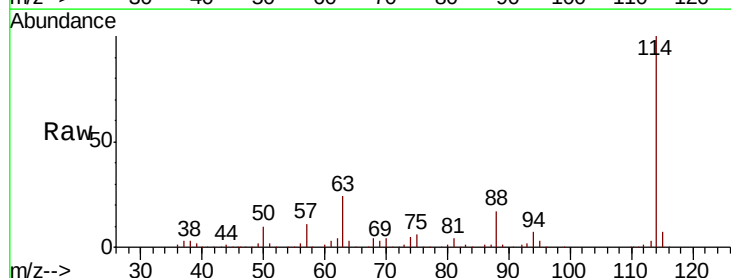
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

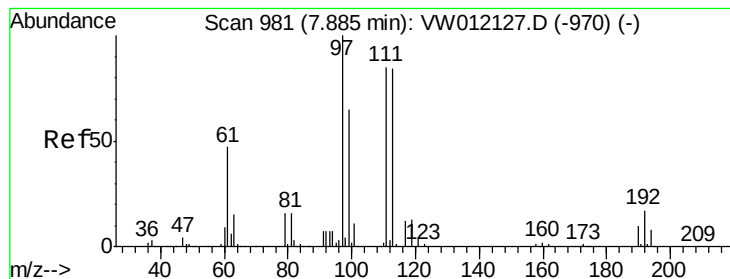
Tgt Ion: 65 Resp: 135231
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 114 Resp: 359650
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.786 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

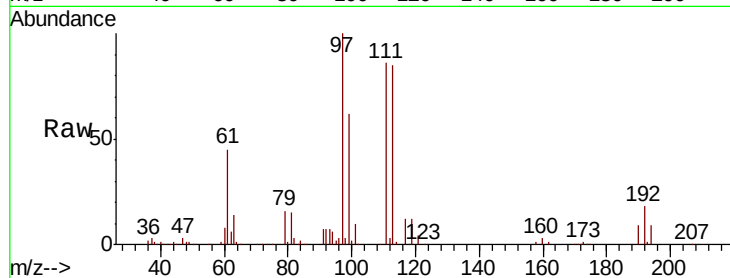
Tgt Ion:113 Resp: 106878

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

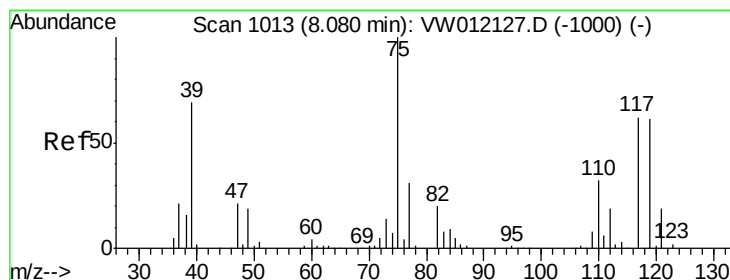
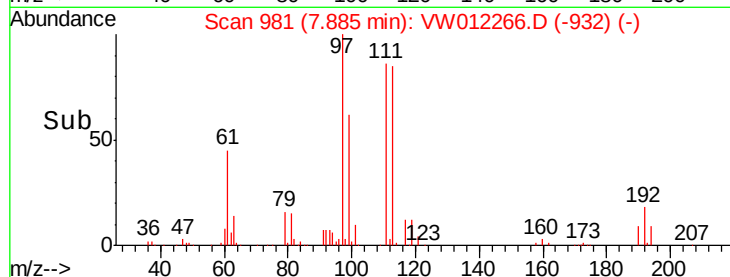
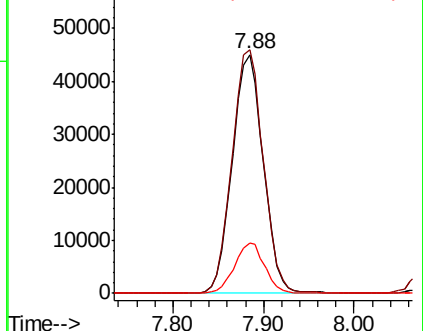
192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.297 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

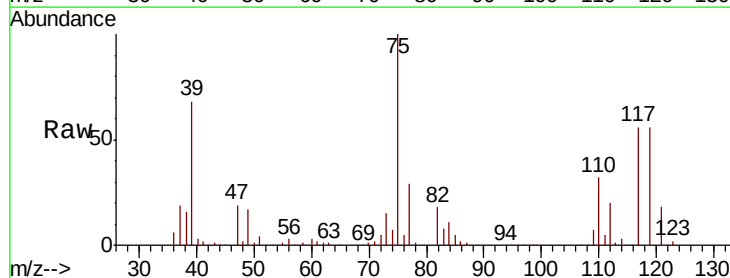
Tgt Ion: 75 Resp: 194366

Ion Ratio Lower Upper

75 100

110 31.6 15.6 46.8

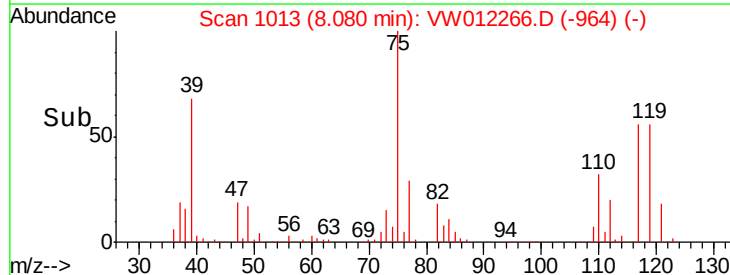
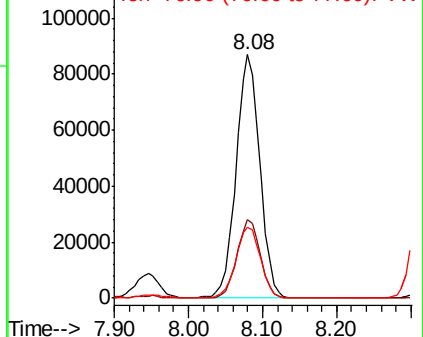
77 30.5 24.6 36.8

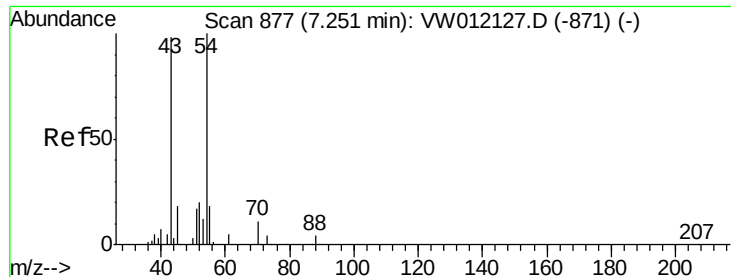


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

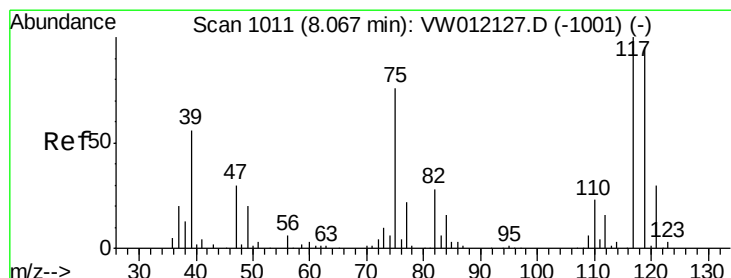
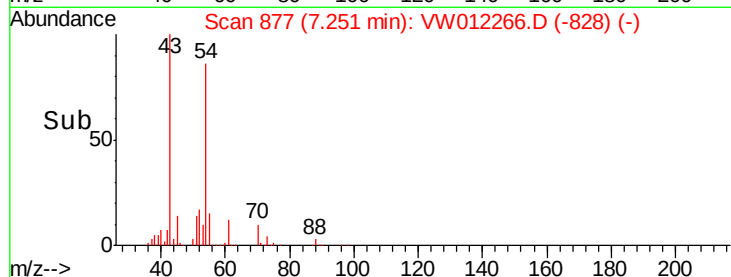
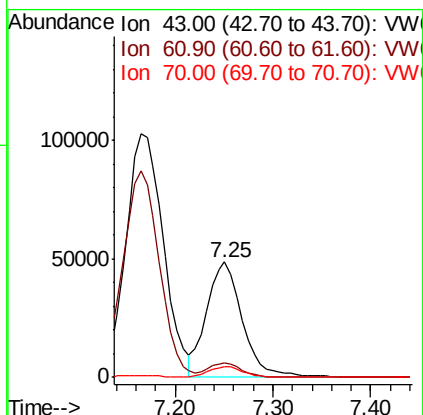
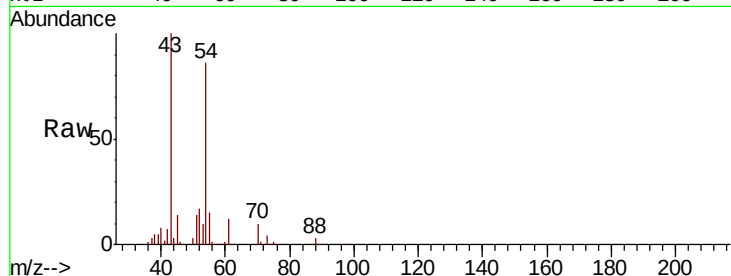




#37
Ethyl Acetate
Concen: 60.239 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

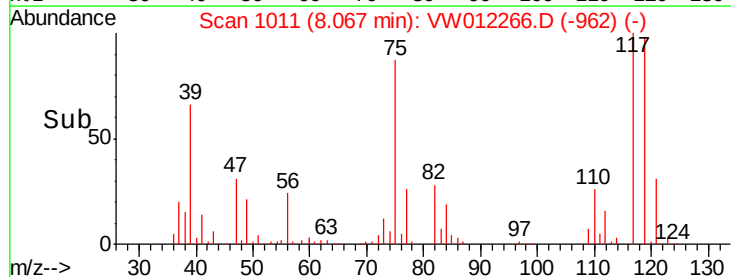
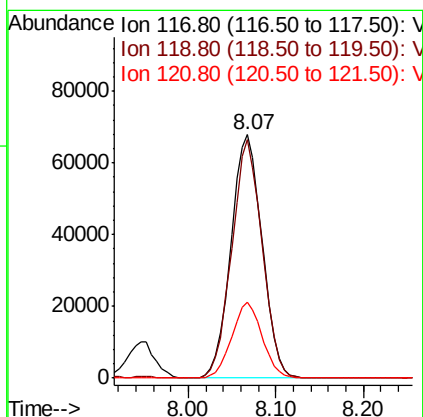
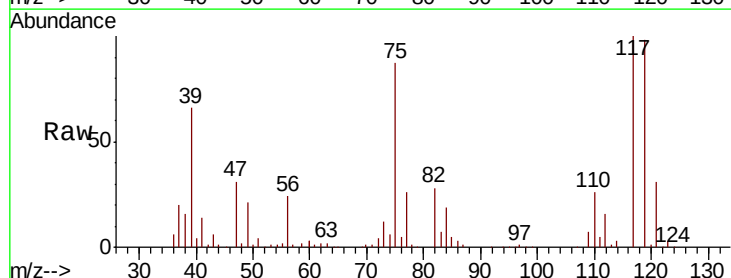
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

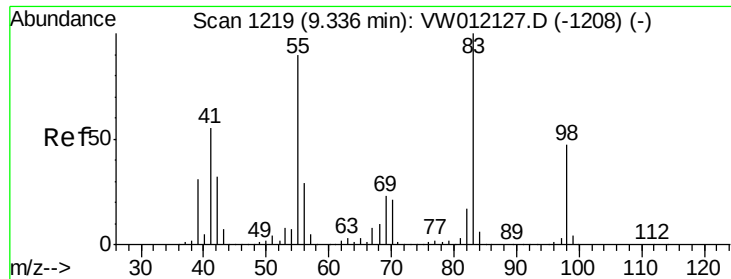
Tgt Ion: 43 Resp: 122685
Ion Ratio Lower Upper
43 100
61 12.1 9.2 13.8
70 9.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.139 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 117 Resp: 167721
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.2
121 31.4 23.8 35.8

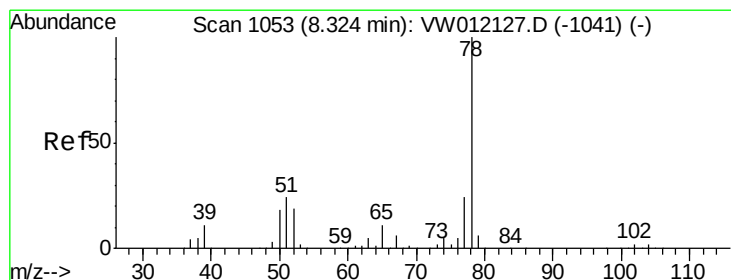
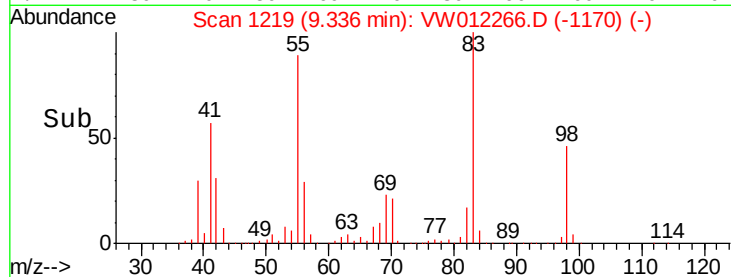
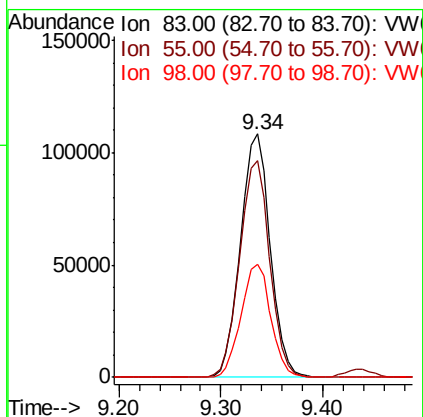
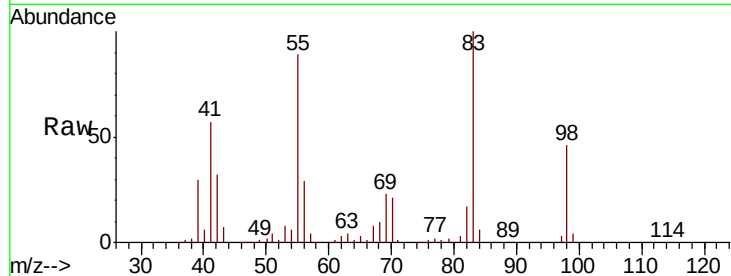




#39
Methylcyclohexane
Concen: 52.741 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

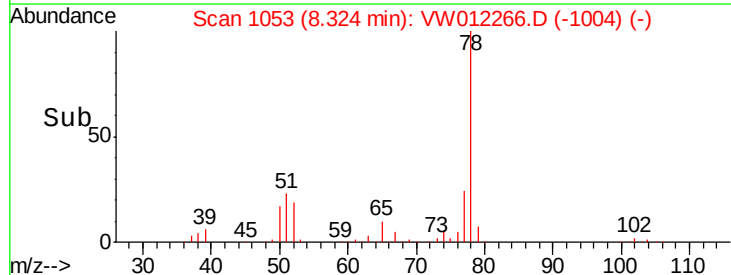
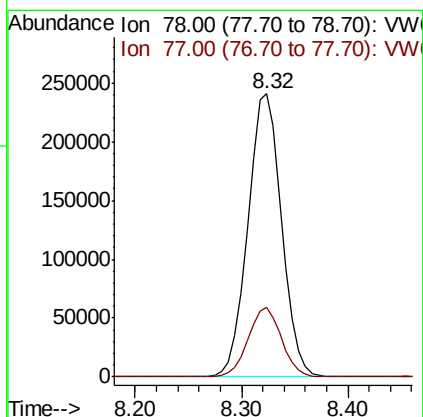
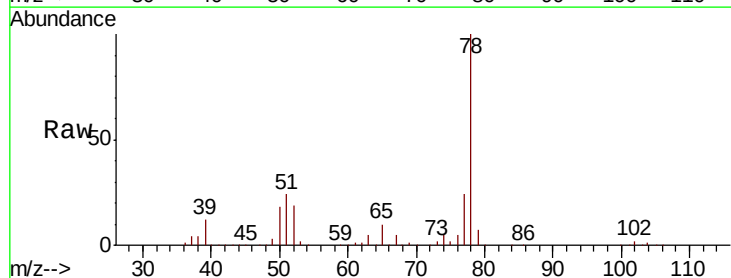
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

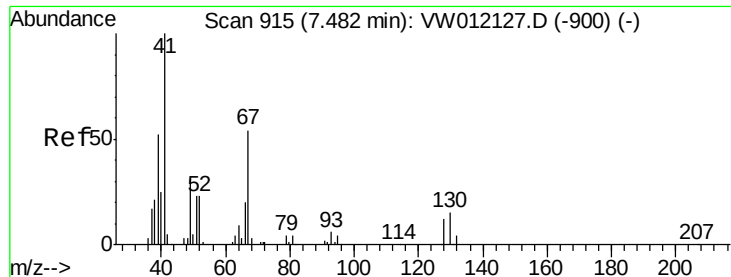
Tgt Ion: 83 Resp: 220206
Ion Ratio Lower Upper
83 100
55 89.2 71.8 107.8
98 46.4 37.8 56.8



#40
Benzene
Concen: 52.646 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 78 Resp: 534269
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3

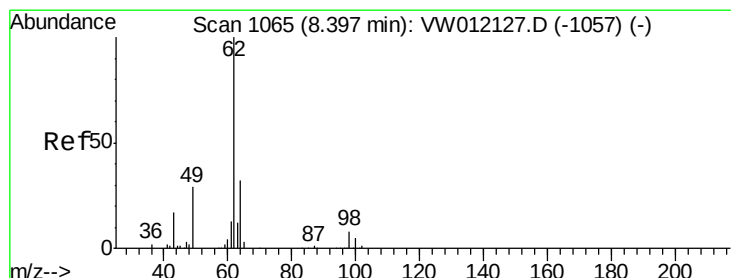
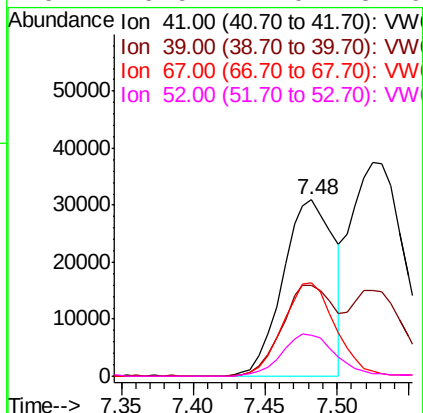
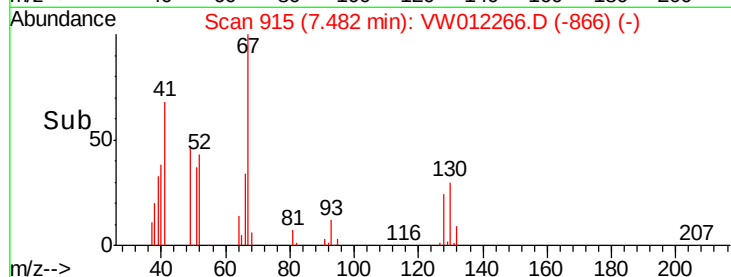
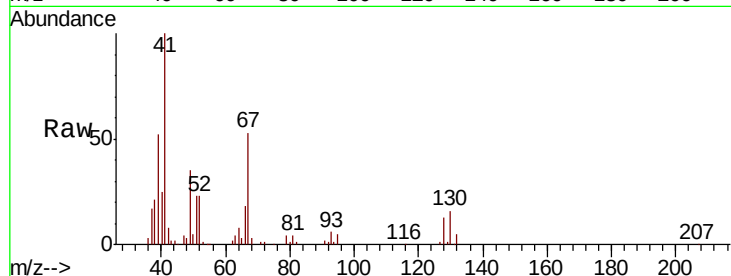




#41
Methacrylonitrile
Concen: 64.138 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

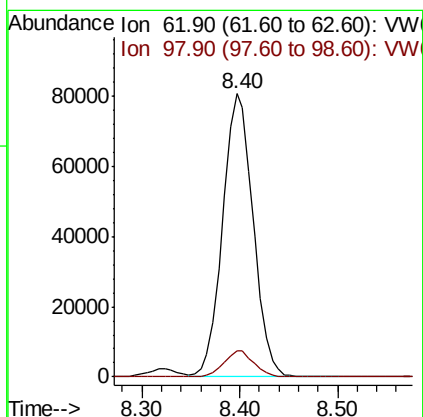
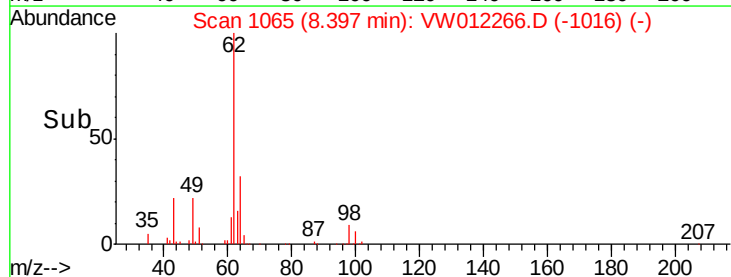
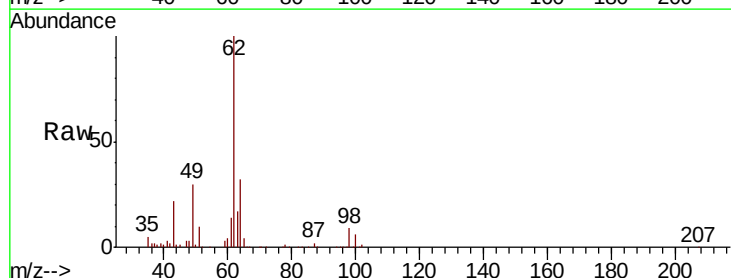
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

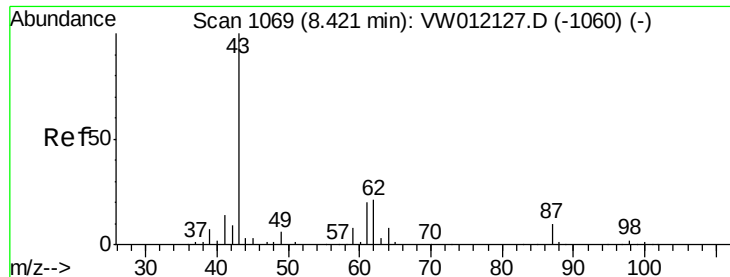
Tgt Ion:	41	Resp:	76773
Ion	Ratio	Lower	Upper
41	100		
39	51.5	45.8	68.8
67	54.7	46.2	69.4
52	25.5	21.0	31.6



#42
1,2-Dichloroethane
Concen: 54.868 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion:	62	Resp:	174511
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 61.365 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

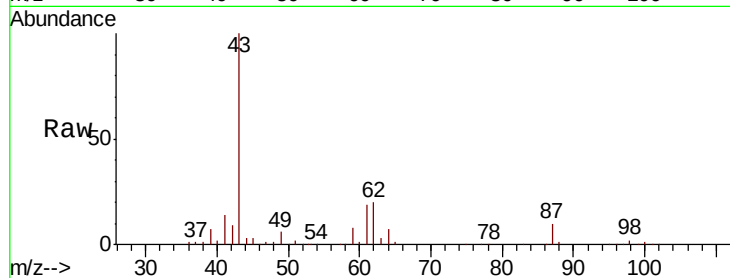
Tgt Ion: 43 Resp: 231498

Ion Ratio Lower Upper

43 100

61 25.2 21.1 31.7

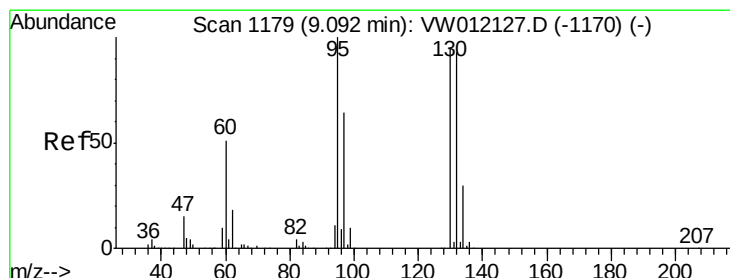
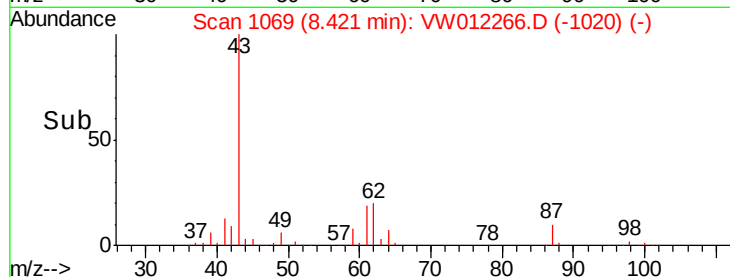
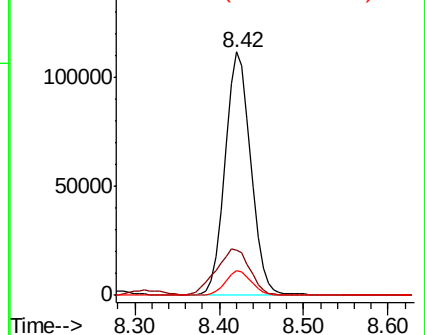
87 10.2 8.2 12.2



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: 53.065 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012266.D

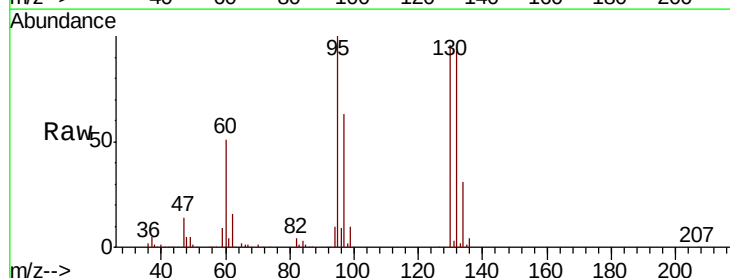
Acq: 28 Aug 2019 20:50

Tgt Ion: 130 Resp: 130912

Ion Ratio Lower Upper

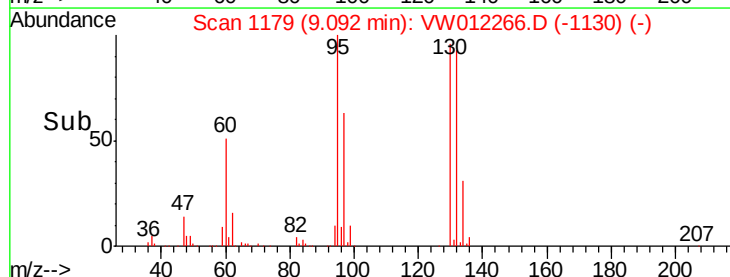
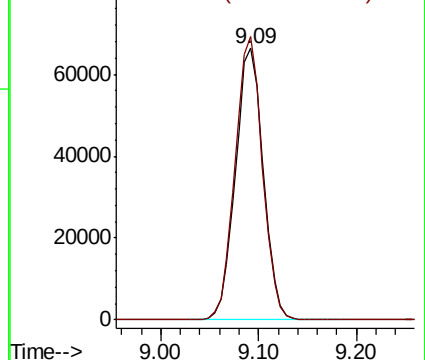
130 100

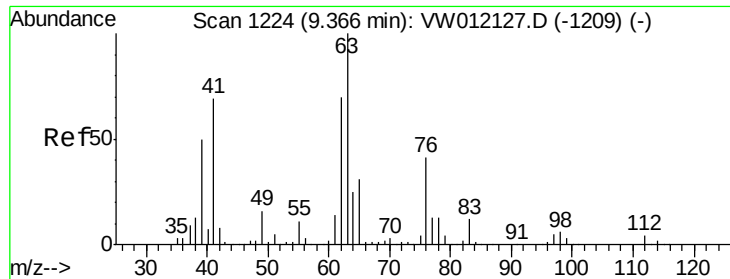
95 104.2 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

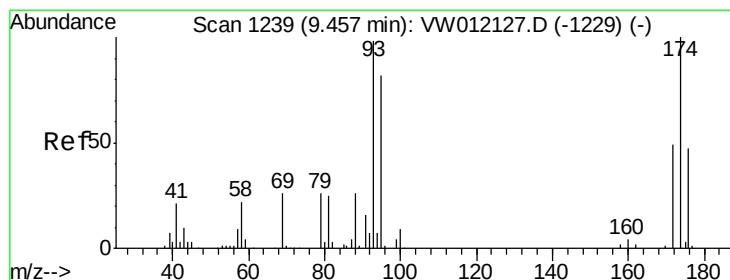
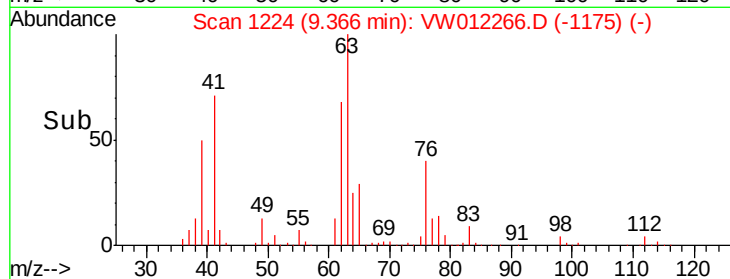
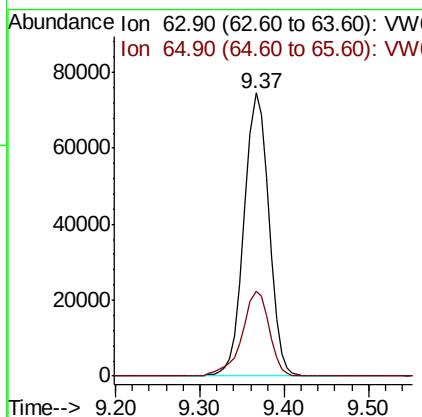
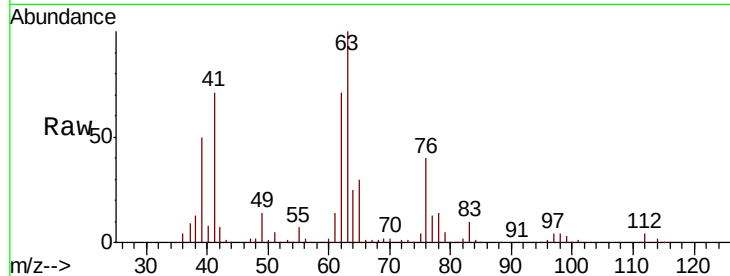




#45
 1,2-Dichloropropane
 Concen: 54.153 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

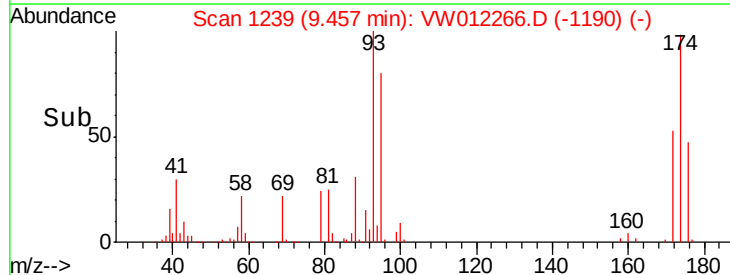
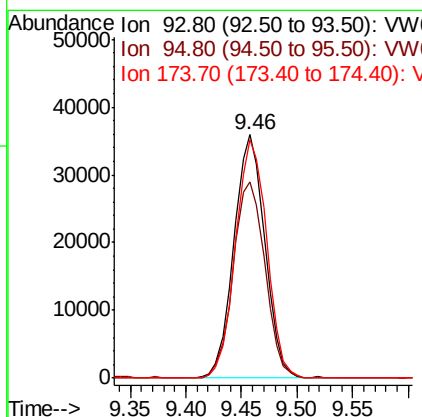
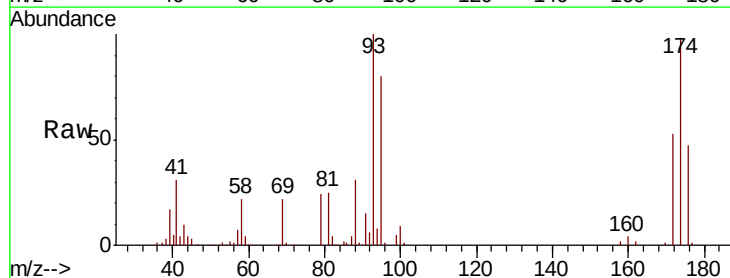
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

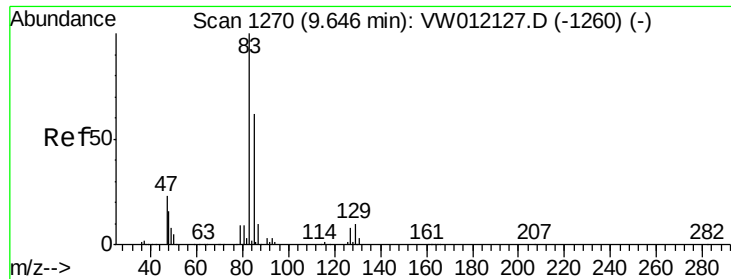
Tgt Ion: 63 Resp: 147904
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4



#46
 Dibromomethane
 Concen: 56.967 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 93 Resp: 69227
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 99.0 79.0 118.6





#47

Bromodichloromethane

Concen: 54.957 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

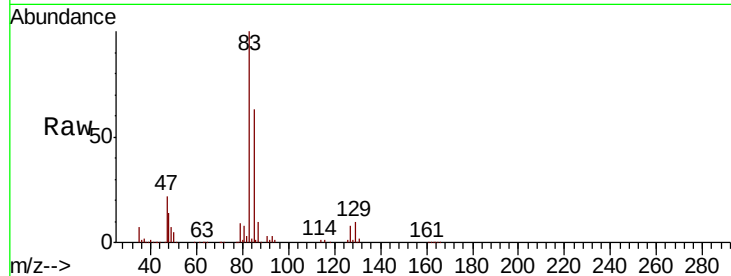
Tgt Ion: 83 Resp: 177739

Ion Ratio Lower Upper

83 100

85 63.4 49.4 74.2

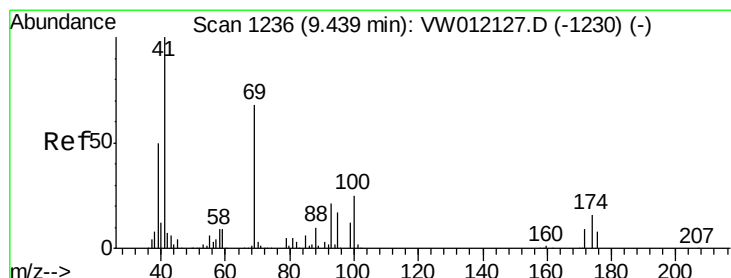
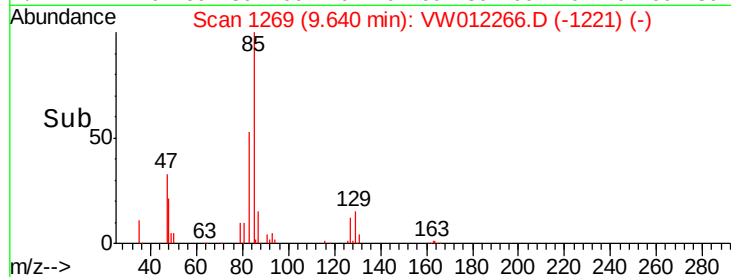
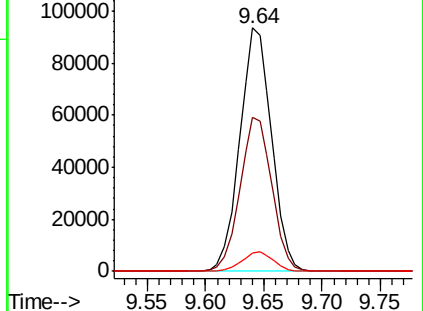
127 7.6 6.1 9.1



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: 61.536 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

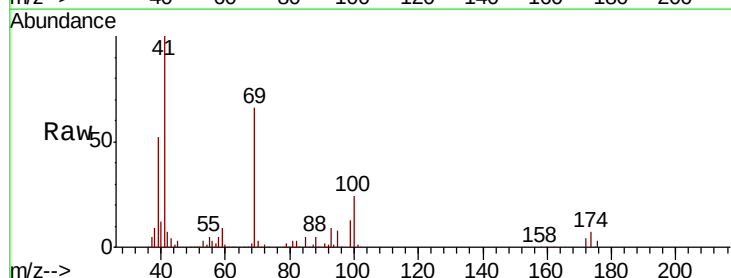
Tgt Ion: 41 Resp: 110488

Ion Ratio Lower Upper

41 100

69 72.4 56.7 85.1

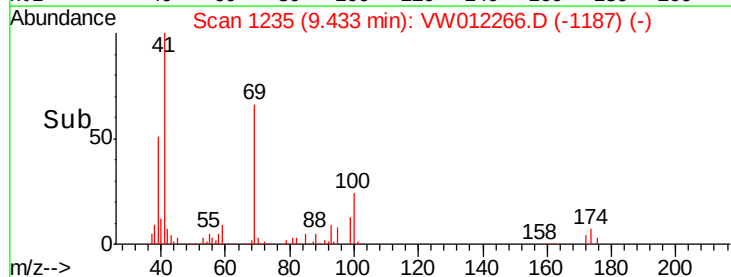
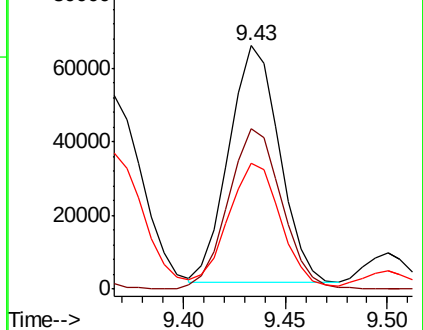
39 52.5 42.0 63.0

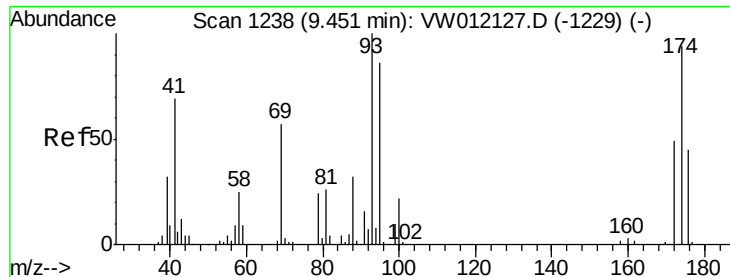


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

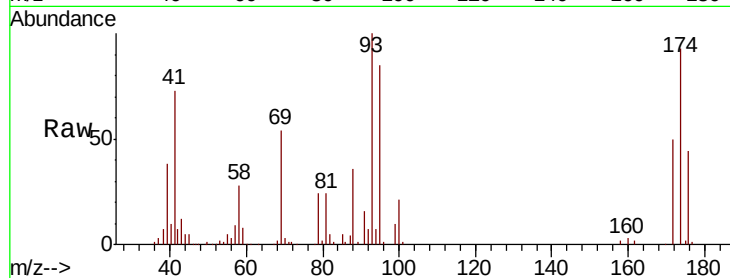




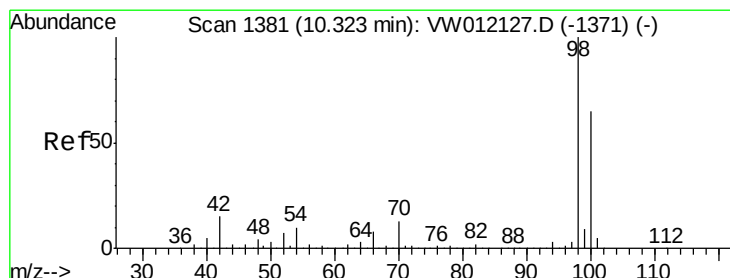
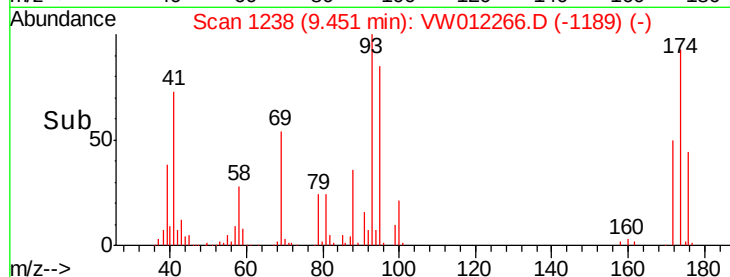
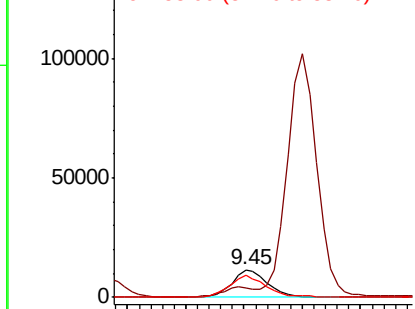
#49
 1,4-Dioxane
 Concen: 1290.035 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 23999
 Ion Ratio Lower Upper
 88 100
 43 35.5 32.9 49.3
 58 84.5 71.0 106.4

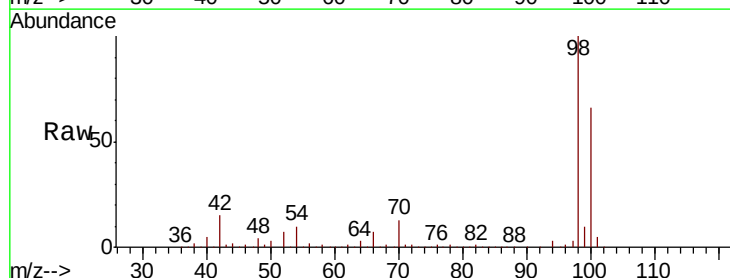


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

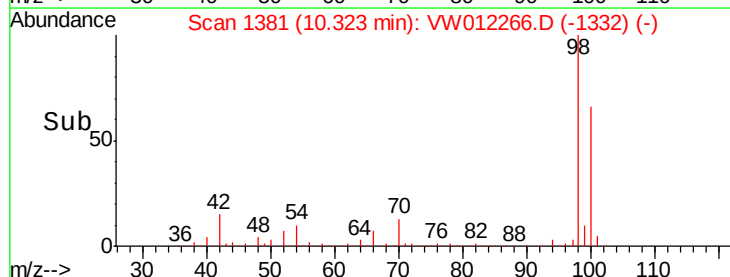
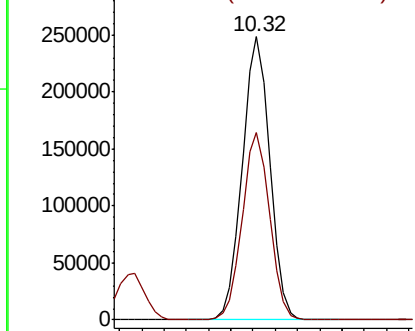


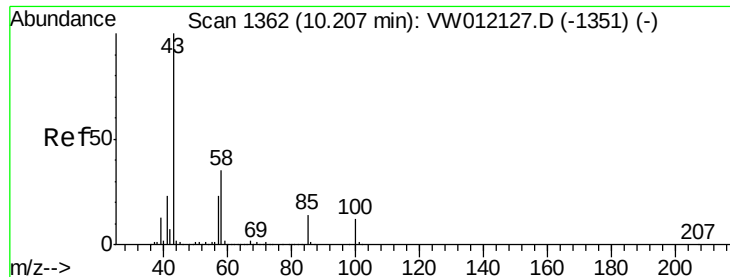
#50
 Toluene-d8
 Concen: 49.054 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 98 Resp: 426986
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.4 78.6



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

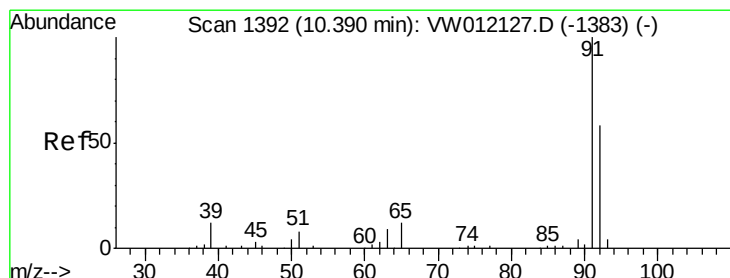
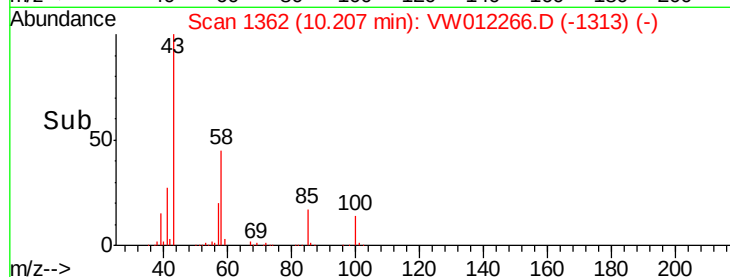
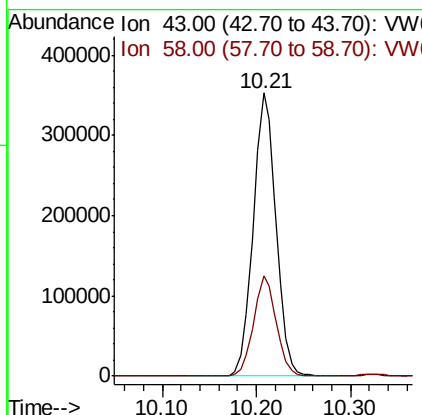
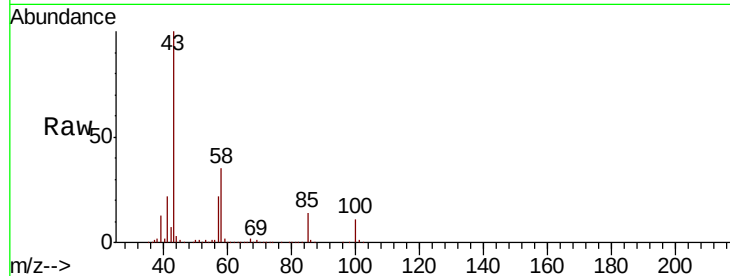




#51
 4-Methyl-2-Pentanone
 Concen: 314.116 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

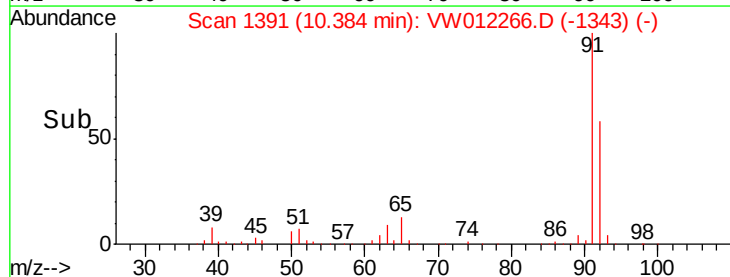
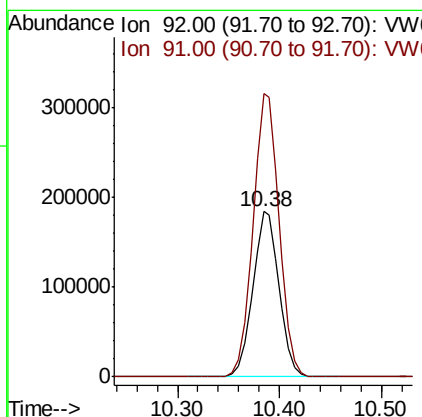
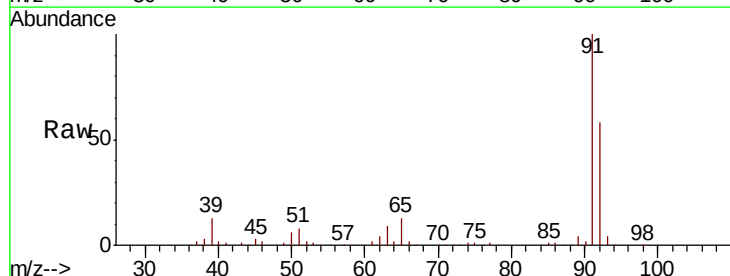
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

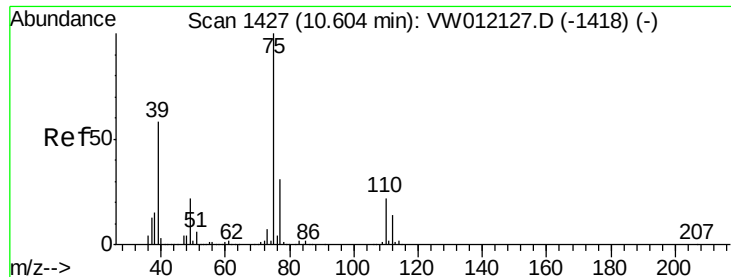
Tgt Ion: 43 Resp: 602723
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.2 42.2



#52
 Toluene
 Concen: 53.889 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 92 Resp: 328537
 Ion Ratio Lower Upper
 92 100
 91 171.4 136.6 204.8

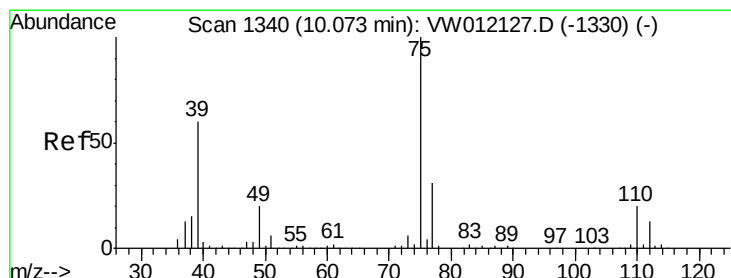
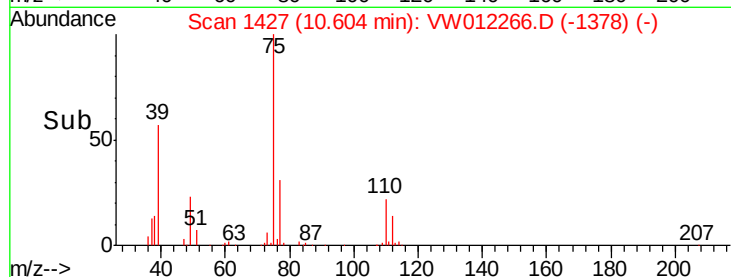
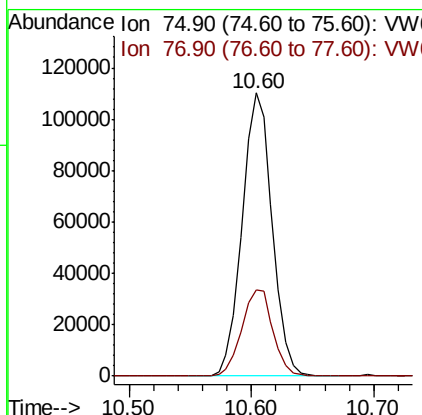
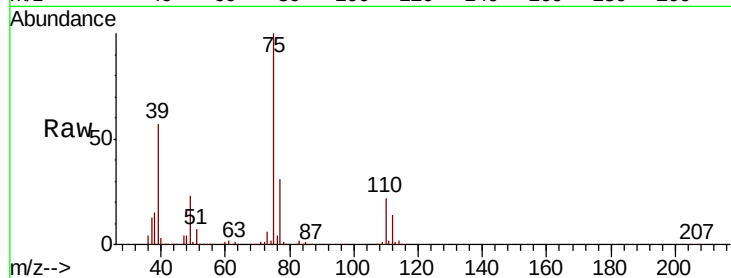




#53
t-1,3-Dichloropropene
Concen: 56.874 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

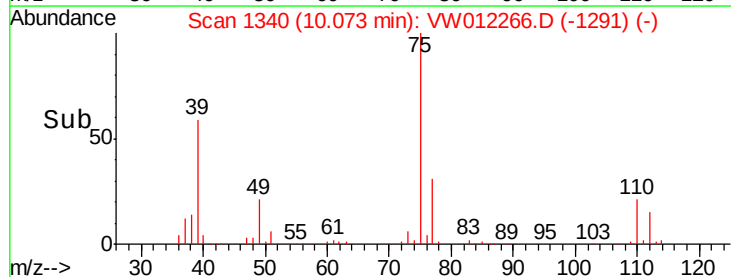
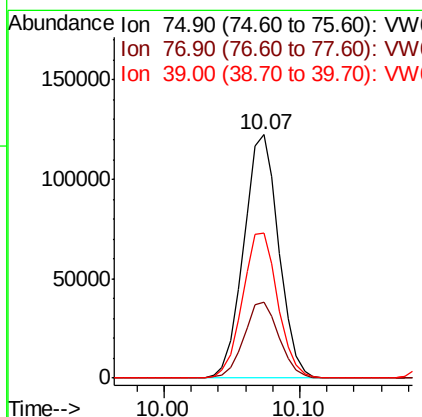
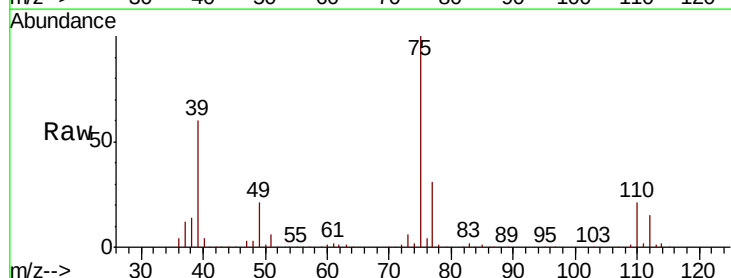
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

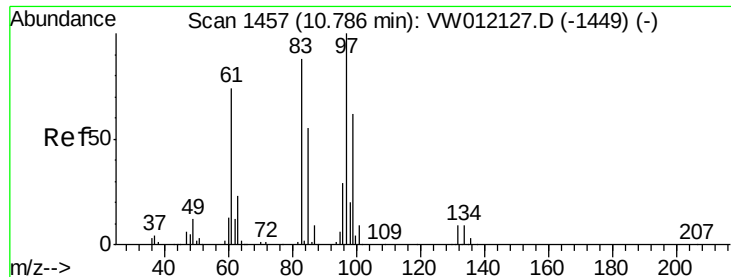
Tgt Ion: 75 Resp: 187366
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 55.474 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 75 Resp: 220664
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 59.5 48.3 72.5

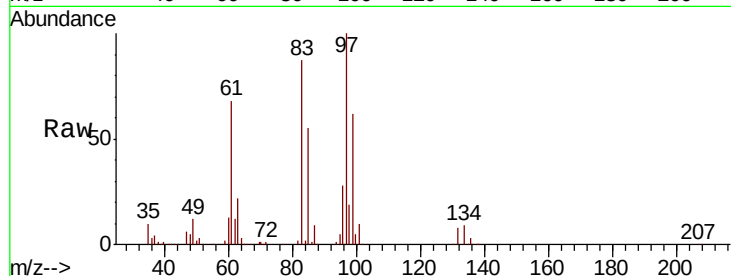




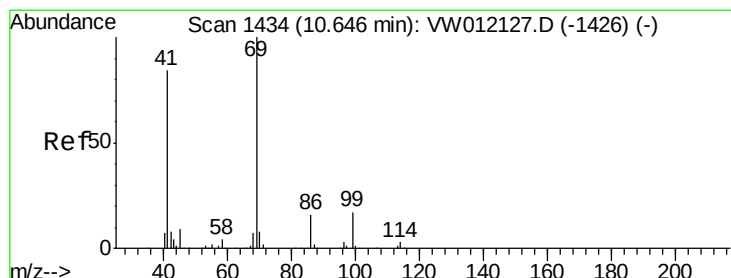
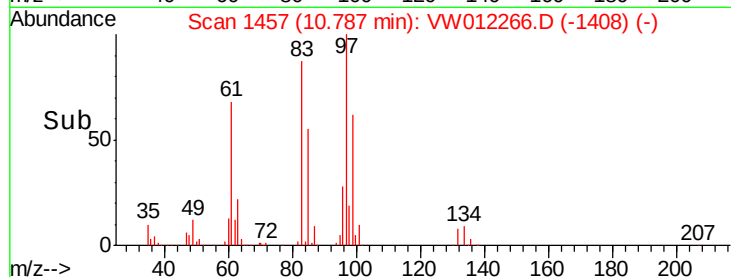
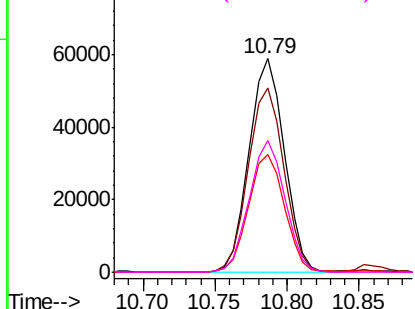
#55
 1,1,2-Trichloroethane
 Concen: 57.924 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	99592
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.8	106.2
85	54.9	43.8	65.8
99	61.8	49.8	74.6

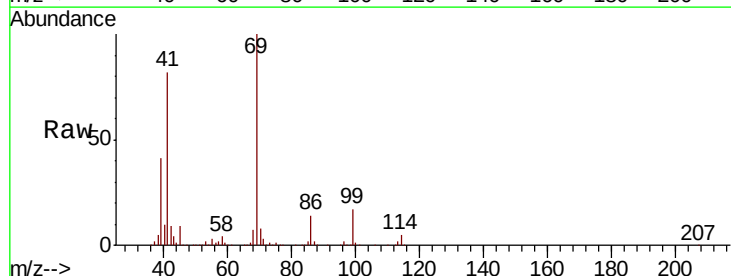


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

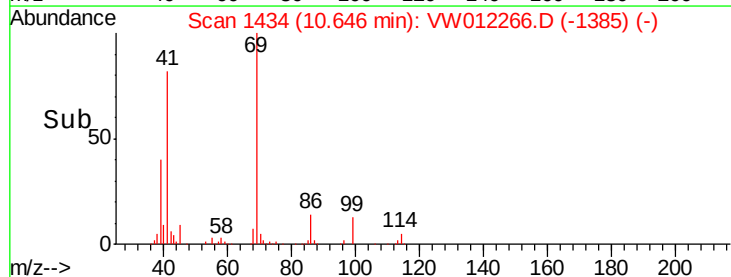
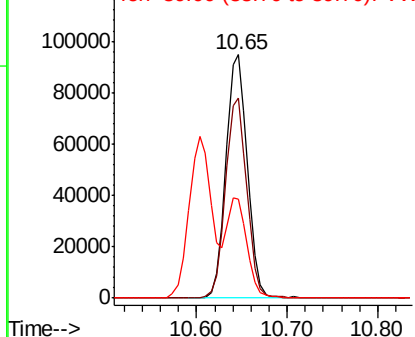


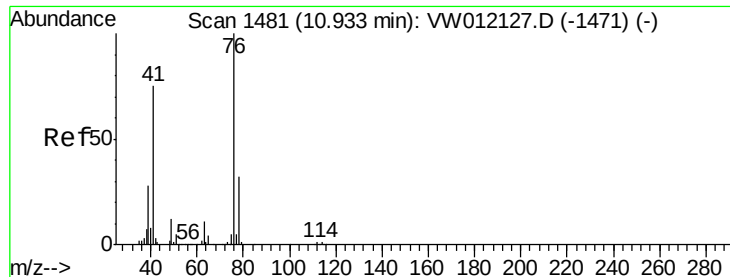
#56
 Ethyl methacrylate
 Concen: 62.192 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion:	69	Resp:	155627
Ion	Ratio	Lower	Upper
69	100		
41	81.1	66.5	99.7
39	37.4	31.0	46.4



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

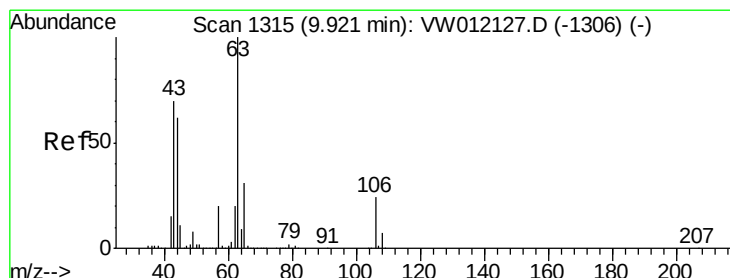
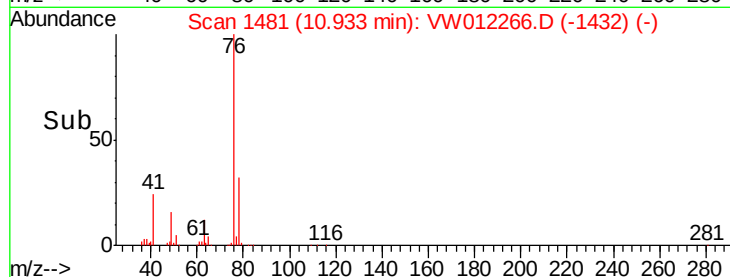
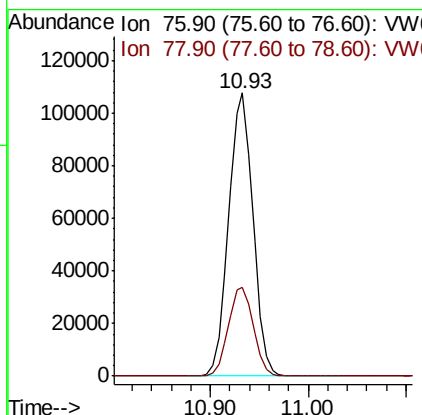
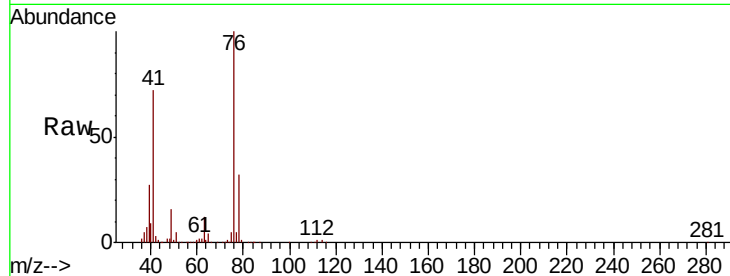




#57
 1,3-Dichloropropane
 Concen: 57.082 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

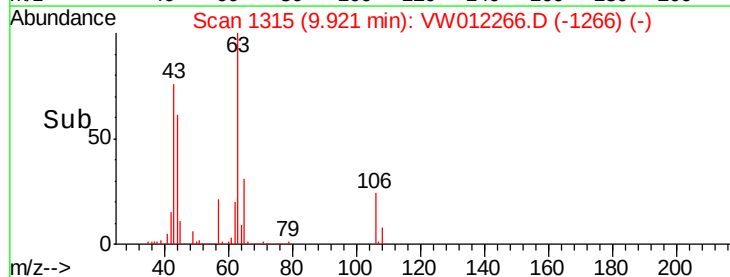
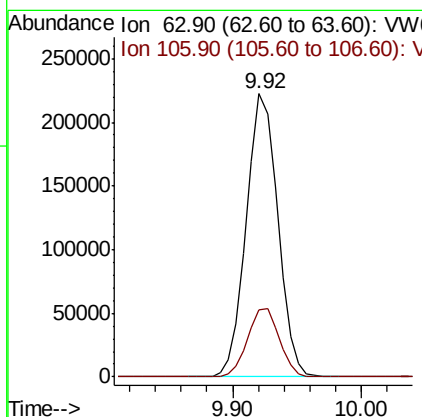
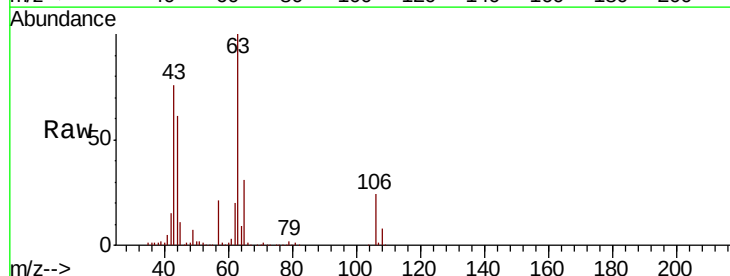
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

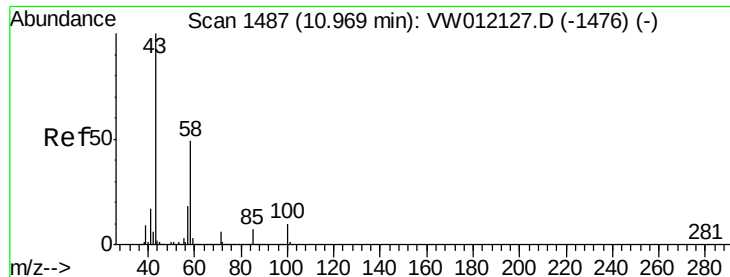
Tgt Ion: 76 Resp: 185468
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.860 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 63 Resp: 376111
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.8 29.8

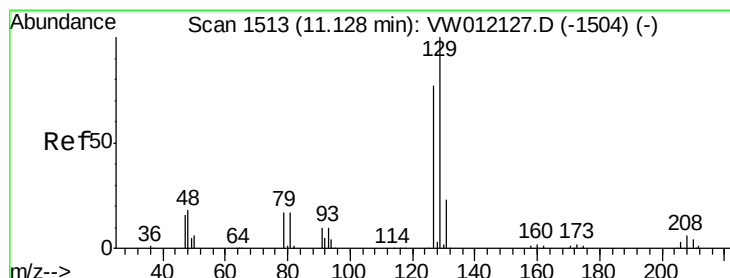
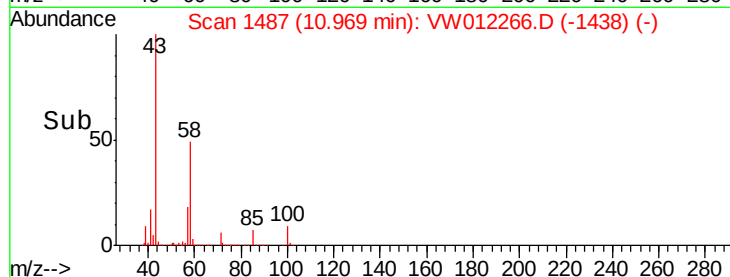
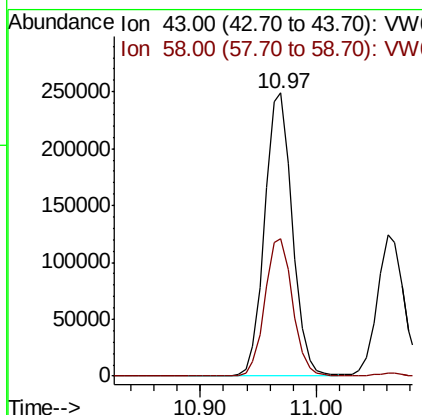
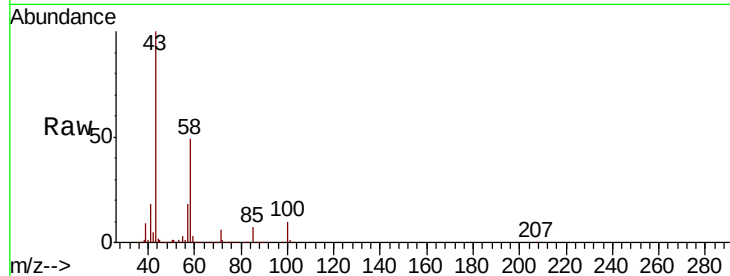




#59
2-Hexanone
Concen: 303.144 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

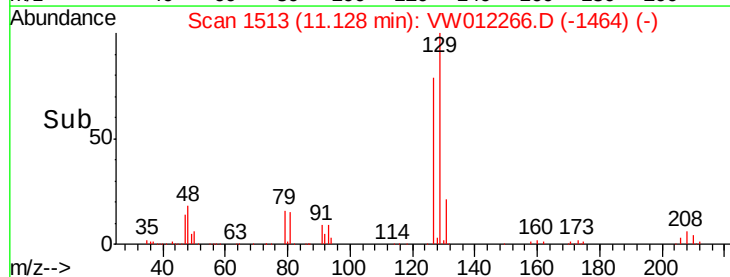
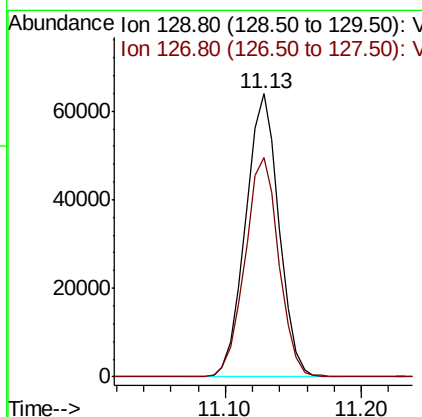
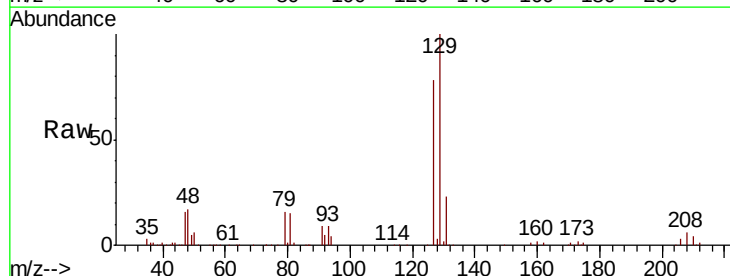
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

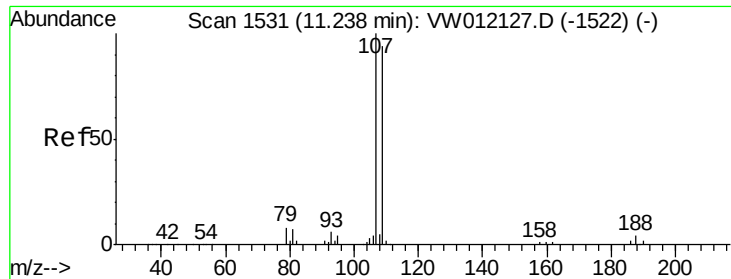
Tgt Ion: 43 Resp: 411569
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 57.459 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 129 Resp: 110038
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 58.223 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

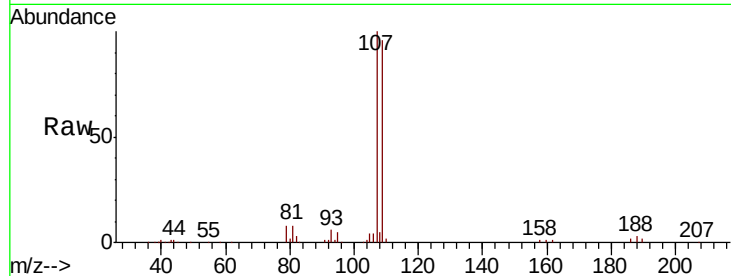
VSTDCCC050EC

Tgt Ion: 107 Resp: 93261

Ion Ratio Lower Upper

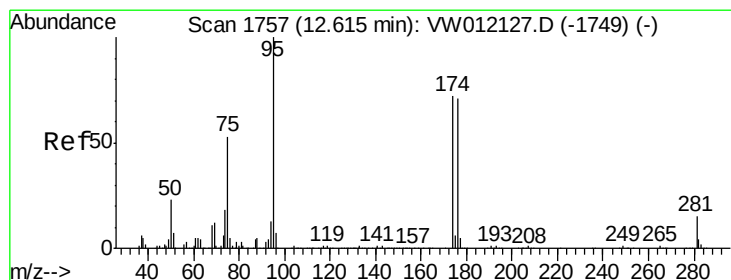
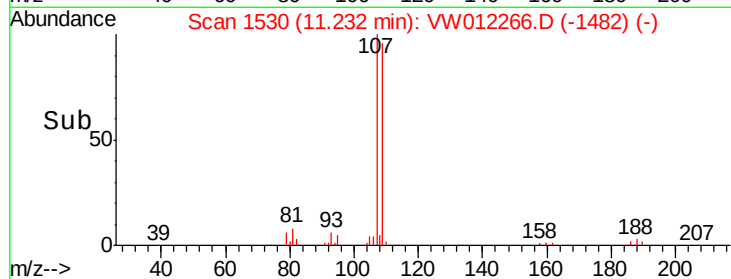
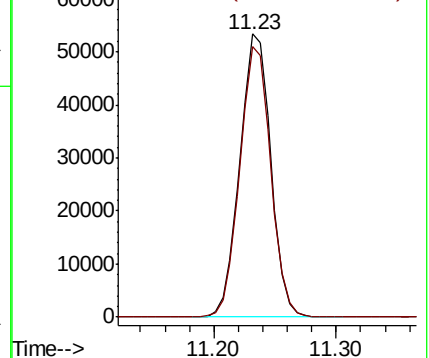
107 100

109 95.6 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.869 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

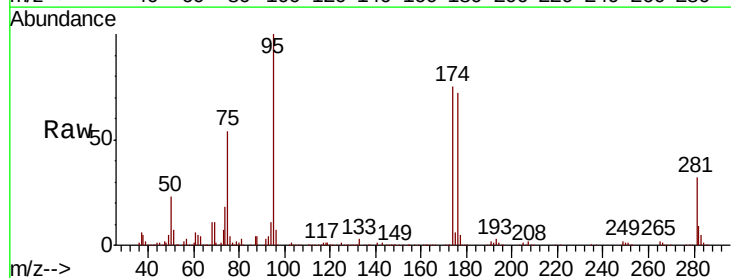
Tgt Ion: 95 Resp: 153015

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.8

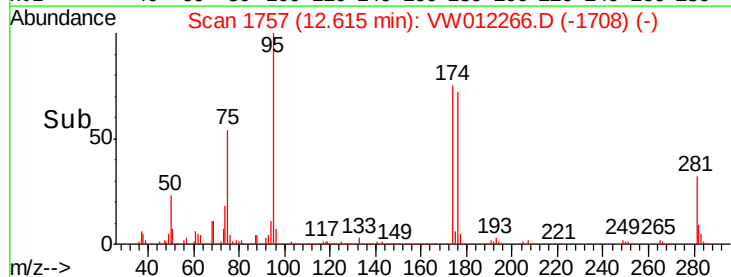
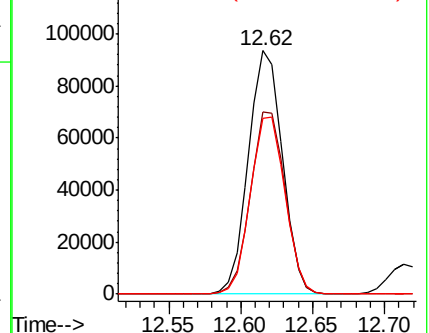
176 73.9 0.0 148.6

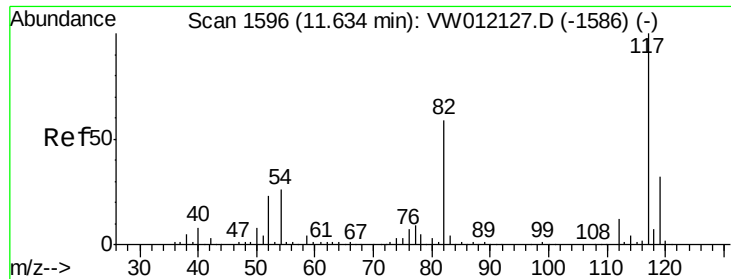


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

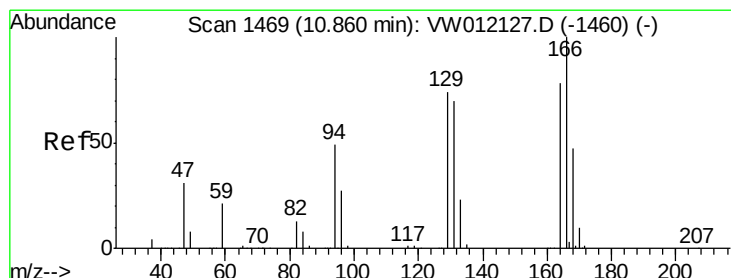
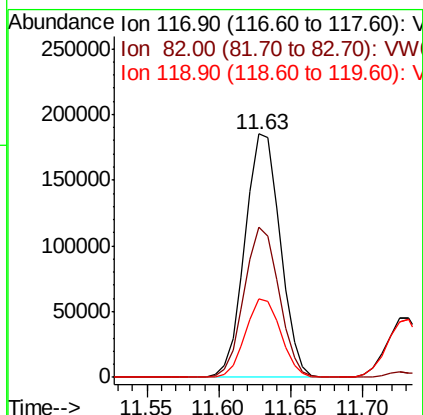
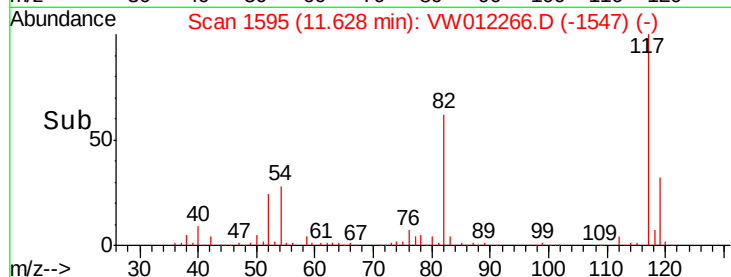
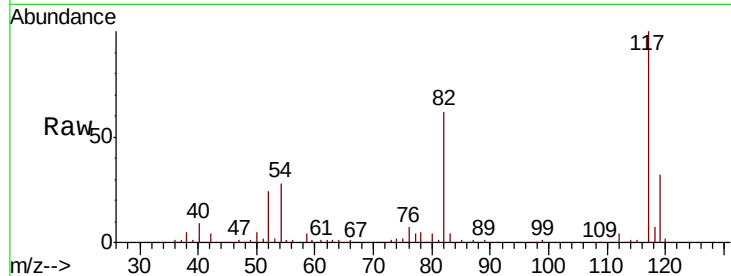




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

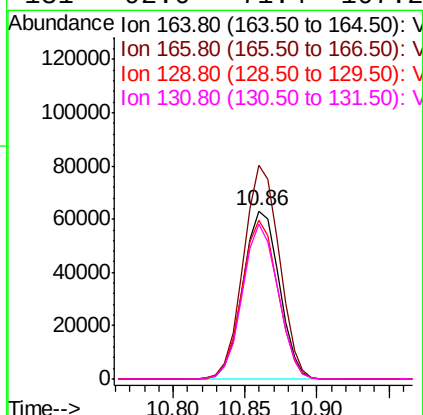
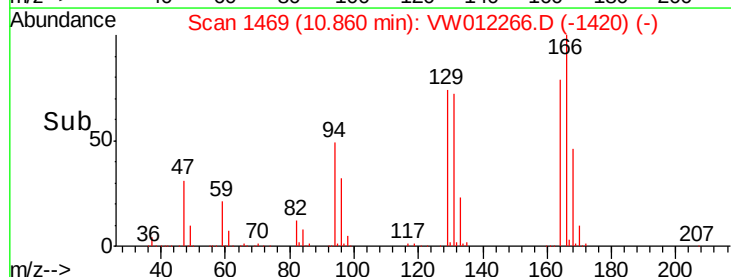
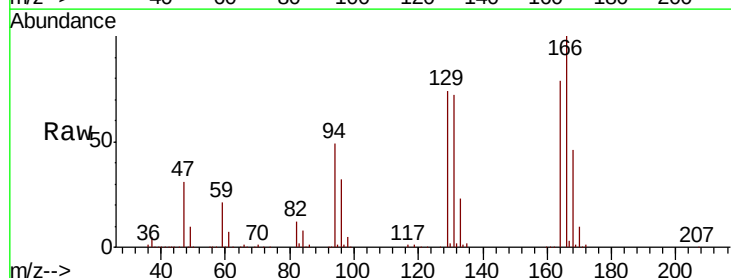
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

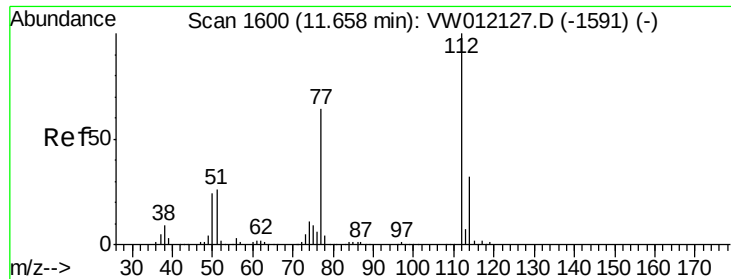
Tgt Ion:117 Resp: 314408
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 54.047 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion:164 Resp: 110169
Ion Ratio Lower Upper
164 100
166 127.0 102.4 153.6
129 94.1 75.8 113.6
131 92.0 71.4 107.2

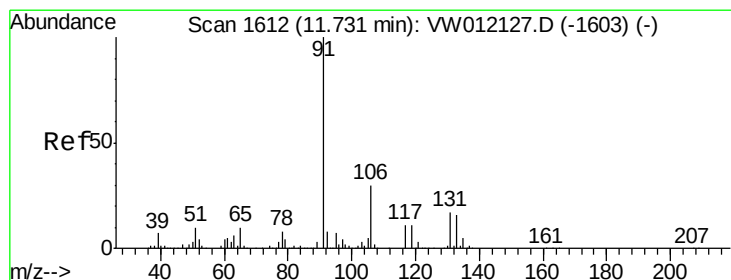
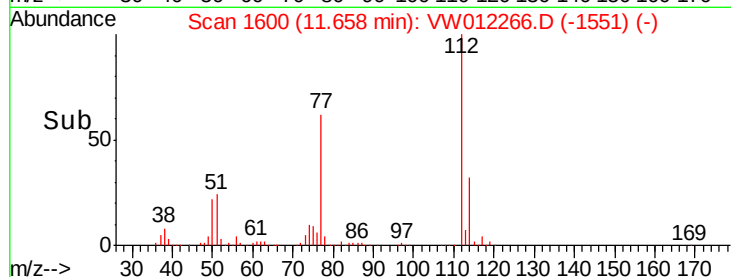
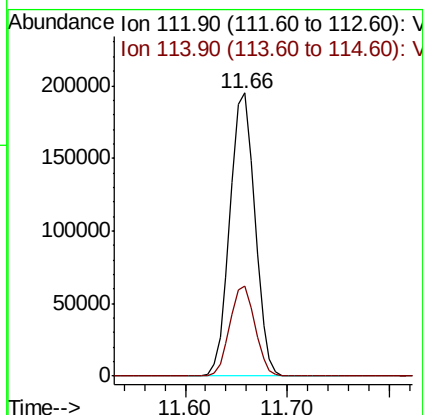
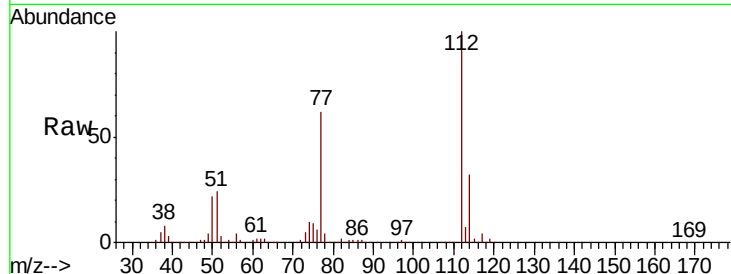




#65
Chlorobenzene
Concen: 53.415 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

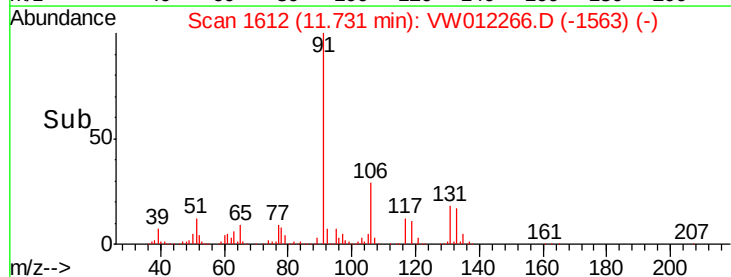
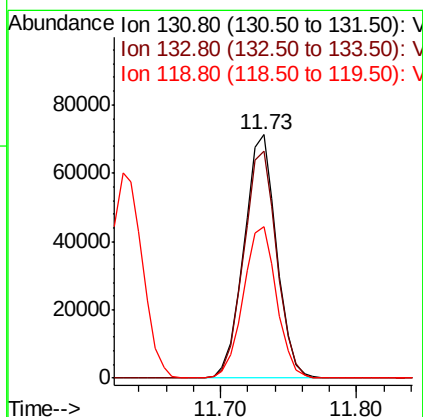
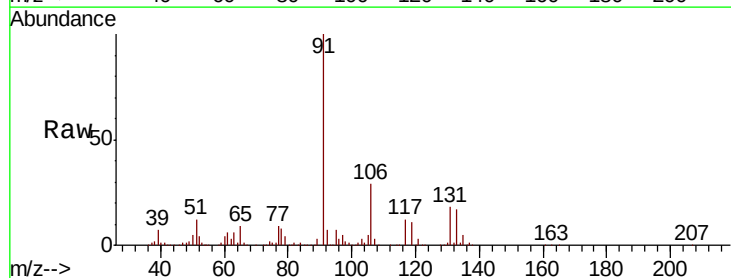
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

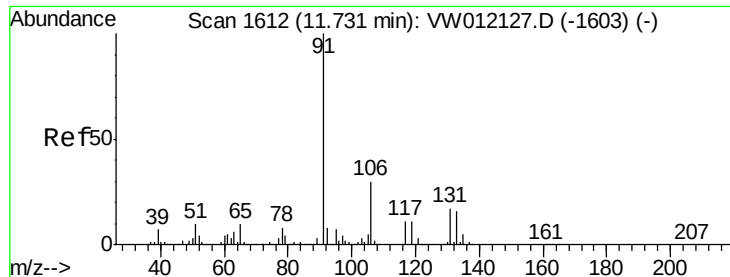
Tgt Ion:112 Resp: 330689
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.088 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion:131 Resp: 118977
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.3
119 63.6 31.8 95.3

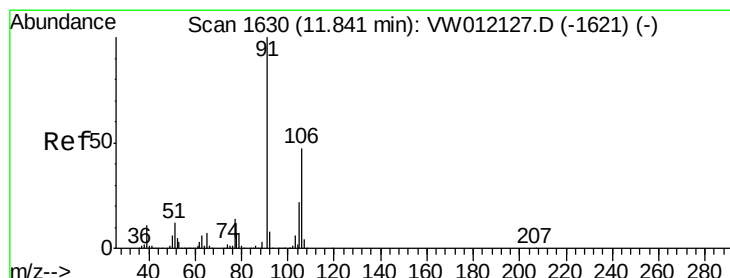
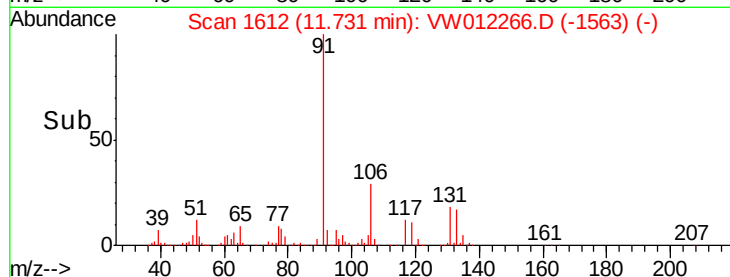
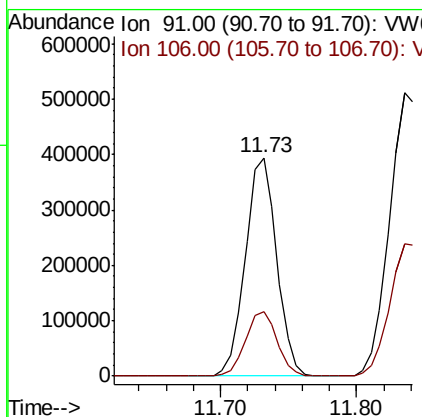
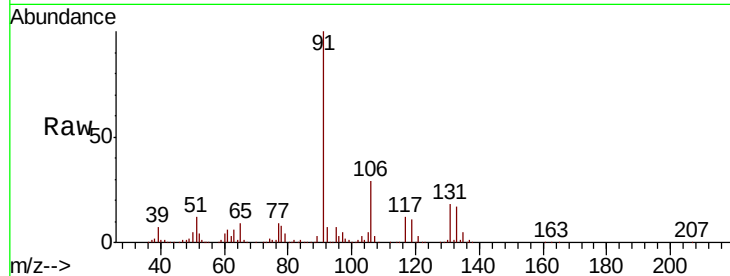




#67
Ethyl Benzene
Concen: 53.326 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

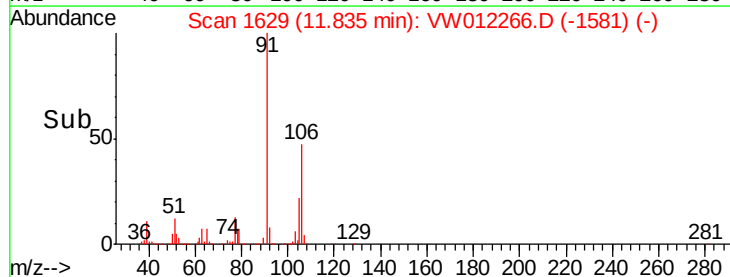
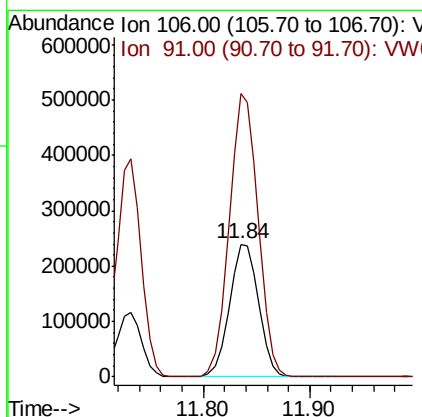
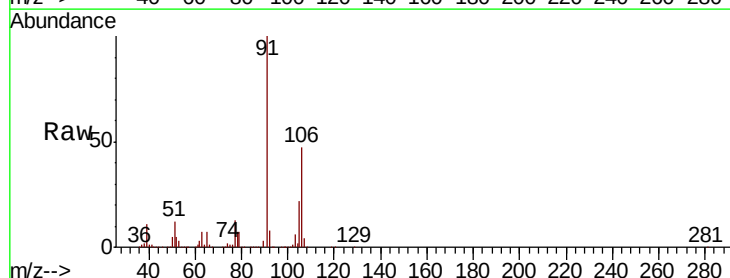
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

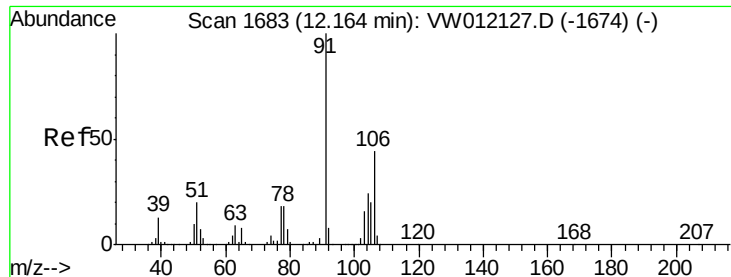
Tgt Ion: 91 Resp: 635961
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5



#68
m/p-Xylenes
Concen: 106.097 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 106 Resp: 455776
Ion Ratio Lower Upper
106 100
91 212.2 169.5 254.3

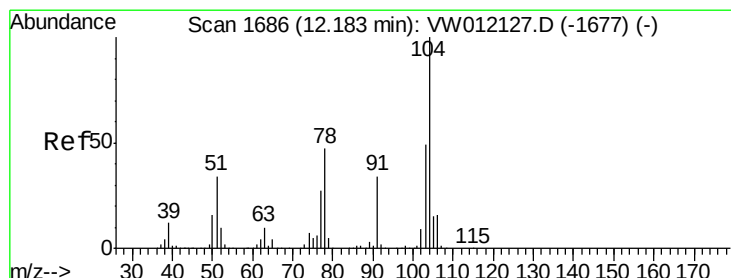
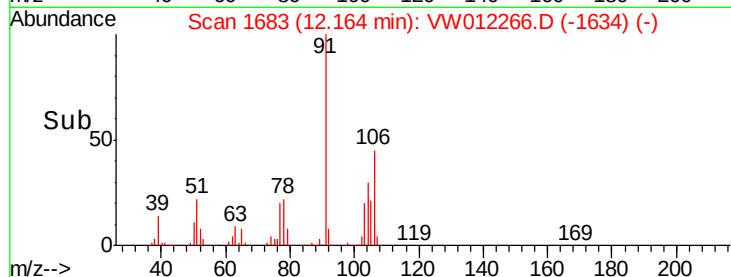
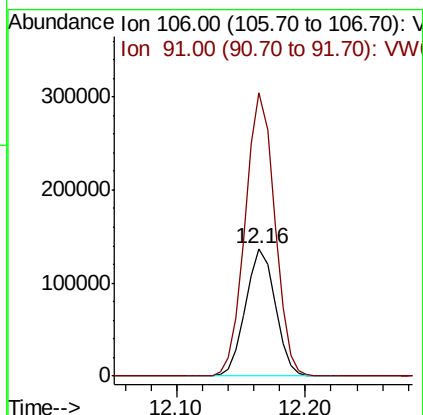
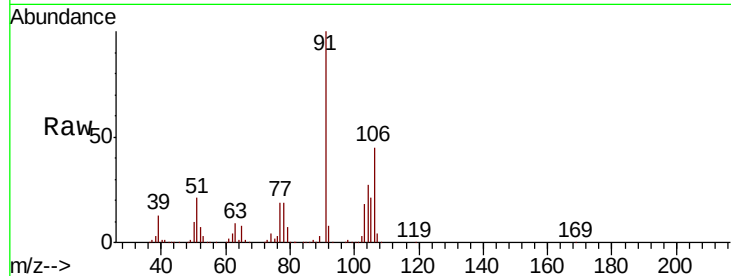




#69
o-Xylene
Concen: 54.691 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

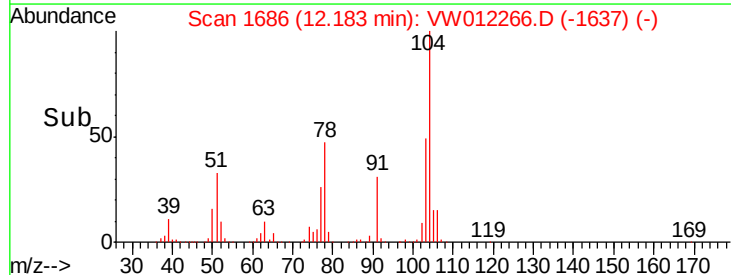
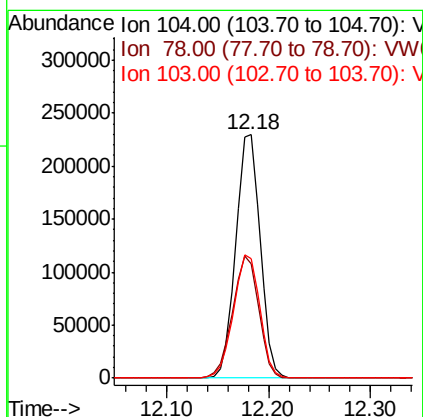
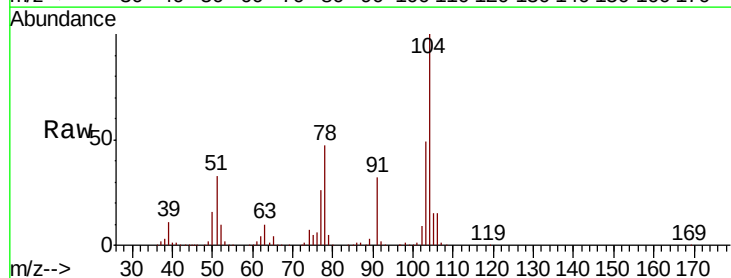
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

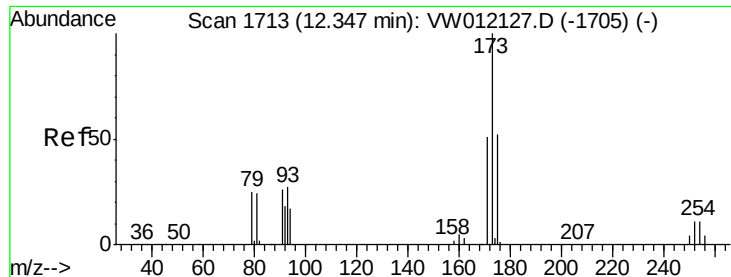
Tgt Ion:106 Resp: 217449
Ion Ratio Lower Upper
106 100
91 221.3 111.6 334.6



#70
Styrene
Concen: 55.060 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion:104 Resp: 378919
Ion Ratio Lower Upper
104 100
78 53.8 43.1 64.7
103 54.5 43.5 65.3

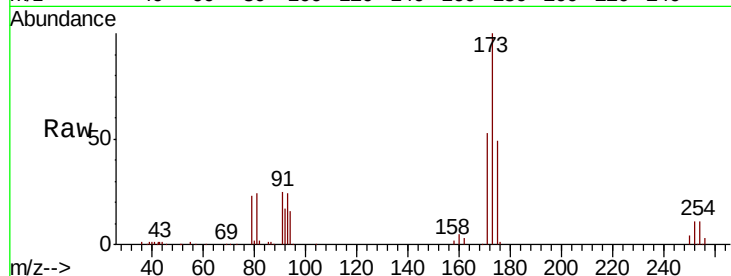




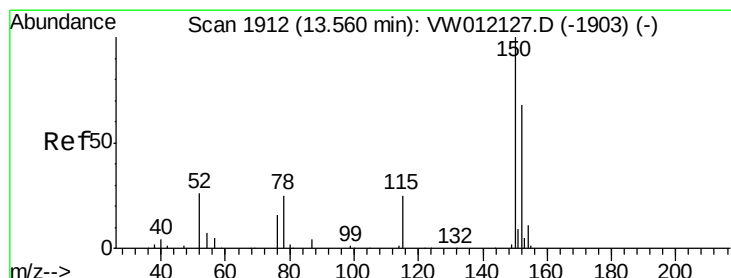
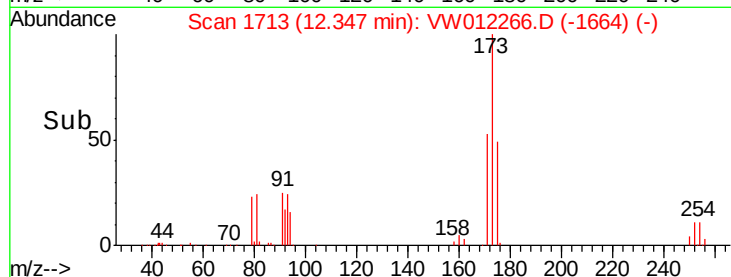
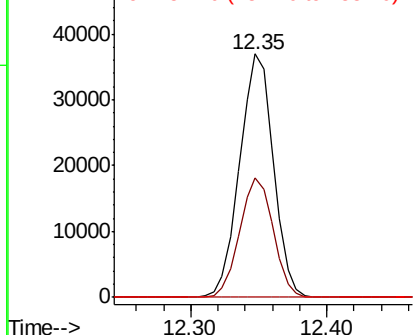
#71
Bromoform
Concen: 59.355 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 63870
Ion Ratio Lower Upper
173 100
175 48.7 24.6 74.0
254 0.2 0.2 0.2

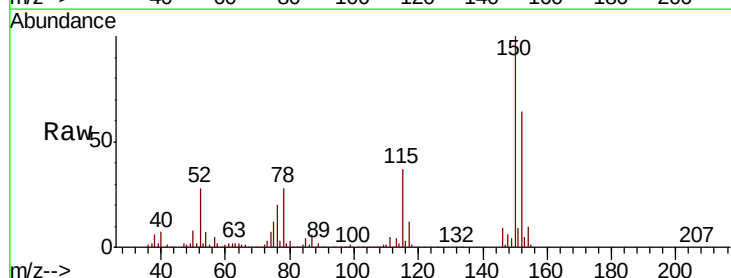


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

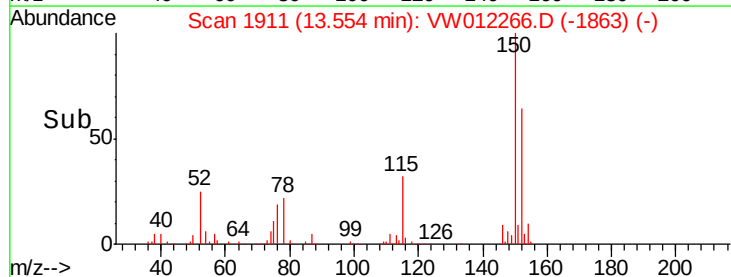
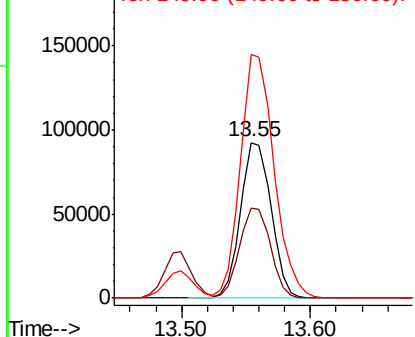


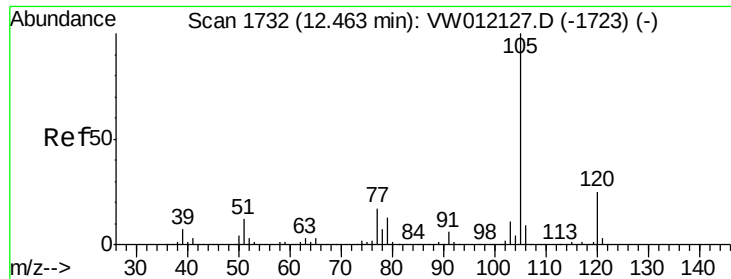
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion:152 Resp: 151883
Ion Ratio Lower Upper
152 100
115 58.6 30.1 90.3
150 172.0 0.0 345.8



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





#73

Isopropylbenzene

Concen: 53.190 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

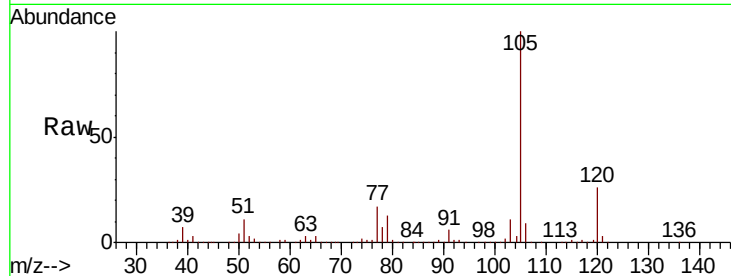
VSTDCCC050EC

Tgt Ion: 105 Resp: 605340

Ion Ratio Lower Upper

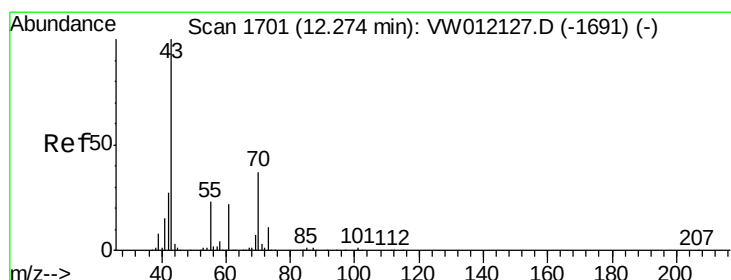
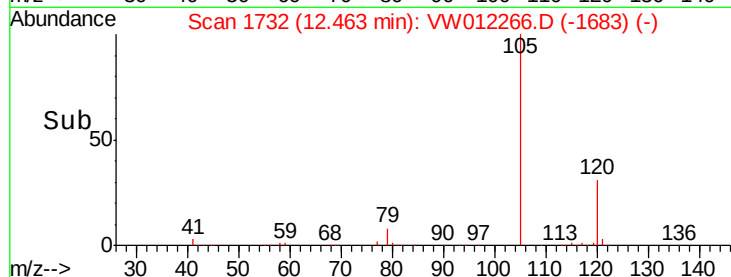
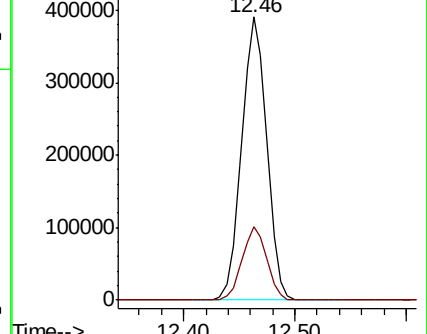
105 100

120 25.5 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.113 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion: 43 Resp: 206695

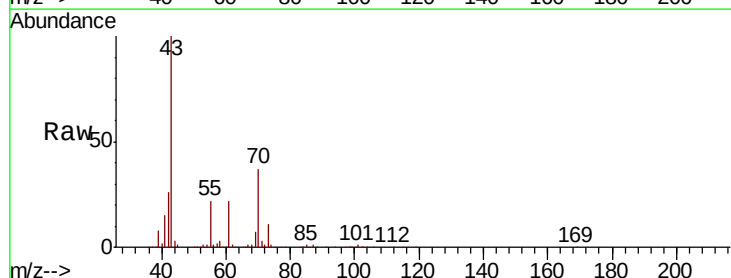
Ion Ratio Lower Upper

43 100

70 36.6 28.6 43.0

55 22.3 17.8 26.6

61 21.8 17.3 25.9

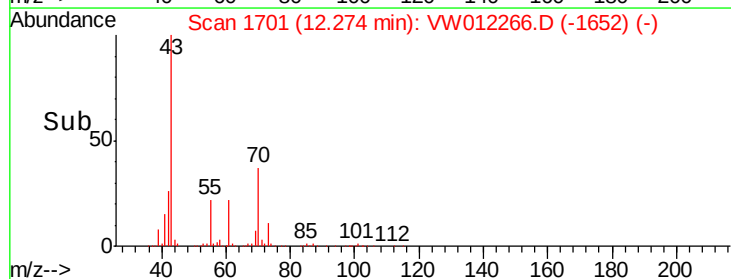
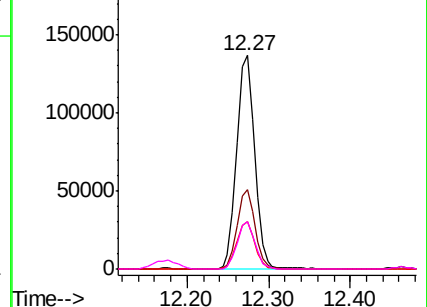


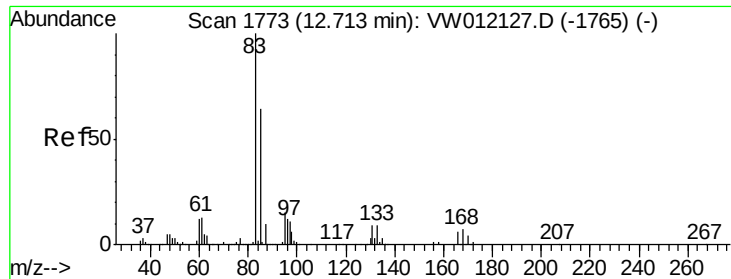
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 58.444 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

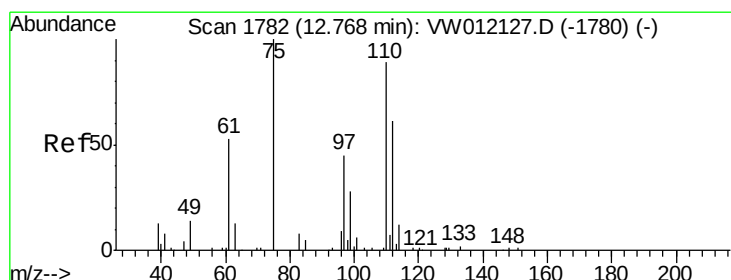
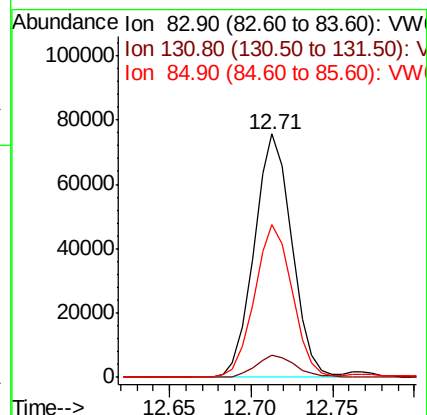
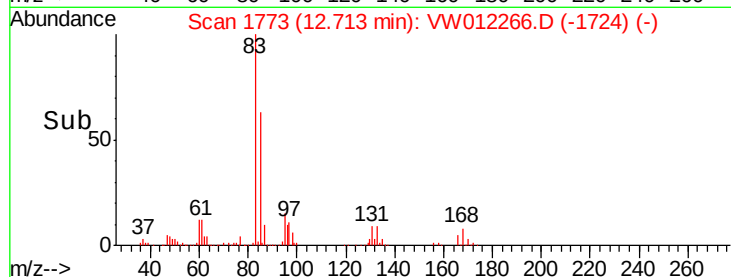
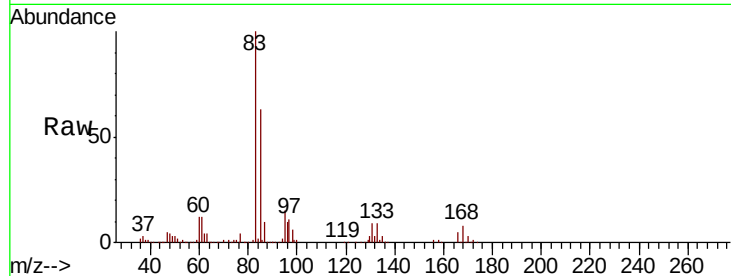
Tgt Ion: 83 Resp: 121939

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

85 62.8 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 108.966 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012266.D

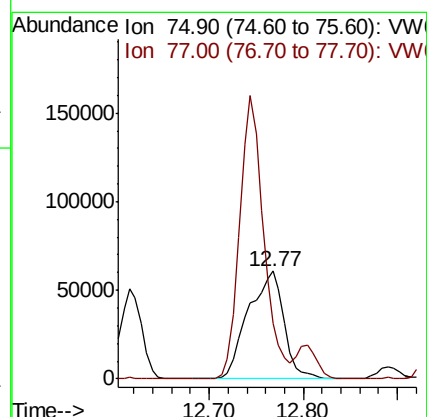
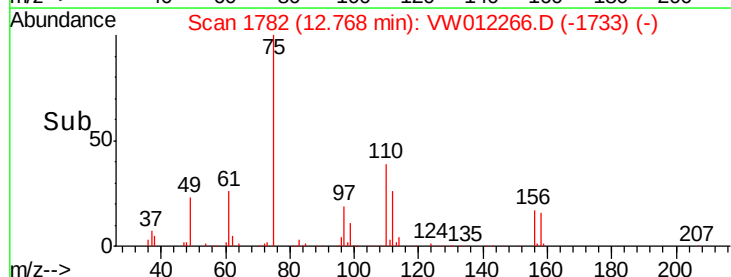
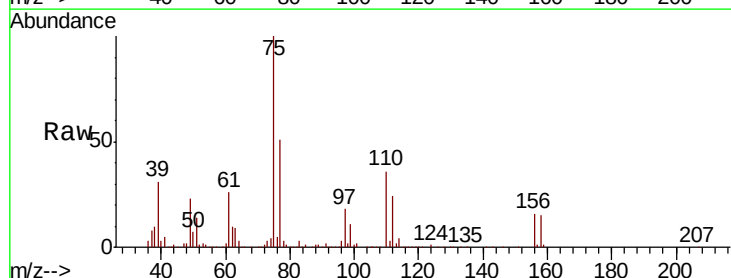
Acq: 28 Aug 2019 20:50

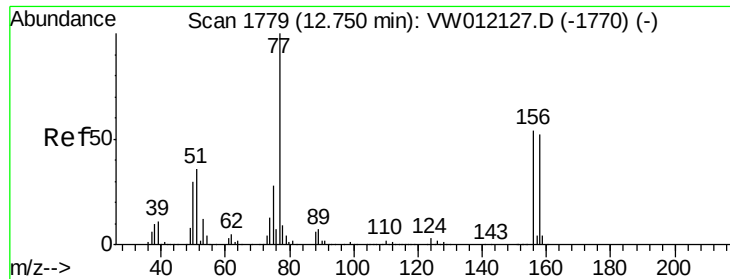
Tgt Ion: 75 Resp: 161186

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.825 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

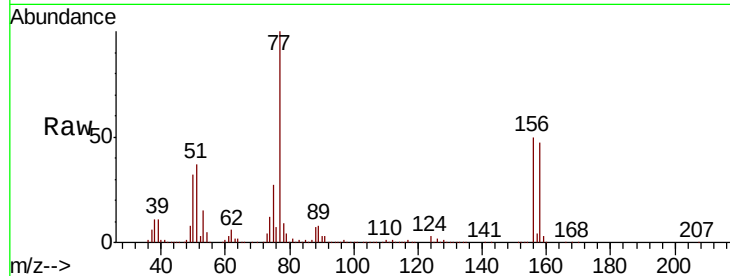
Tgt Ion:156 Resp: 132523

Ion Ratio Lower Upper

156 100

77 216.1 107.3 321.8

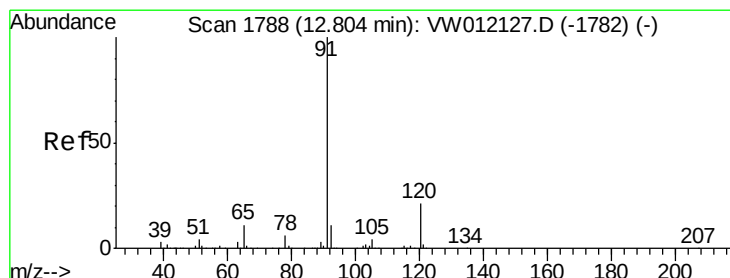
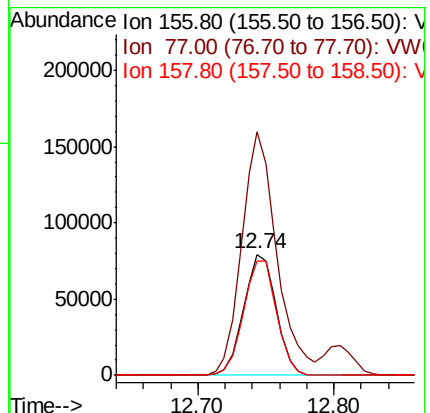
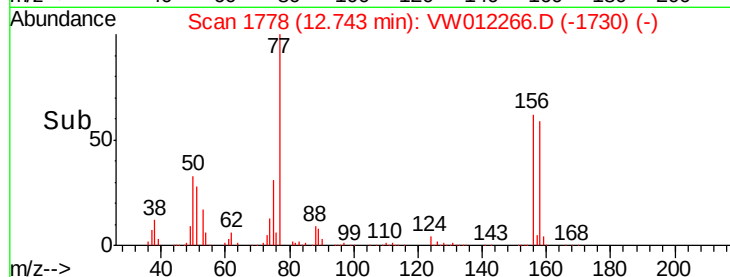
158 96.5 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.576 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012266.D

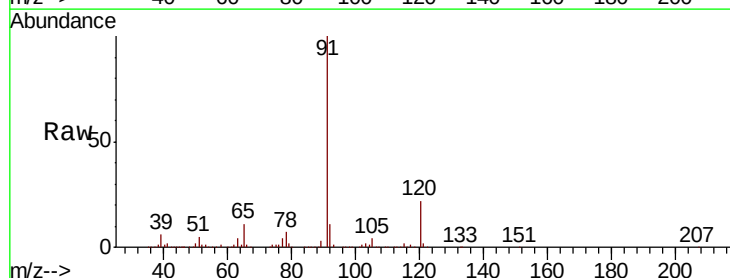
Acq: 28 Aug 2019 20:50

Tgt Ion: 91 Resp: 730467

Ion Ratio Lower Upper

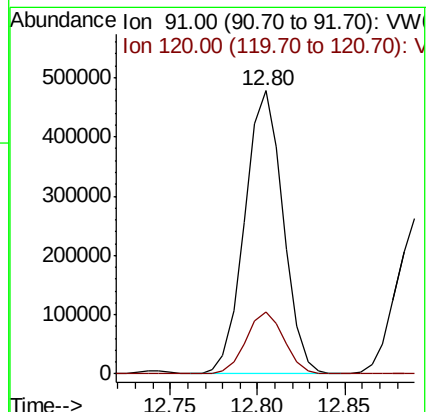
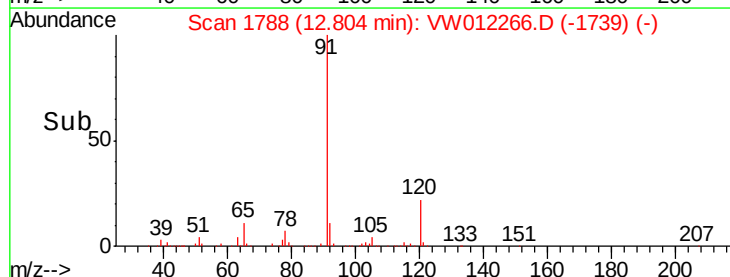
91 100

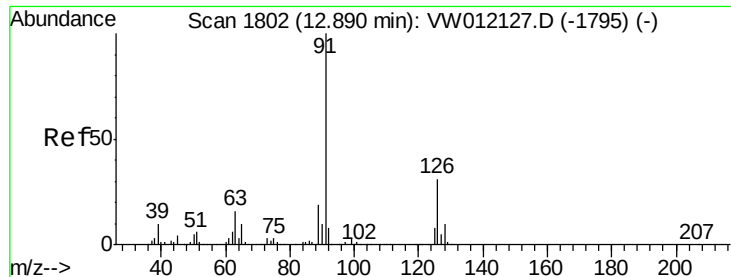
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.715 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

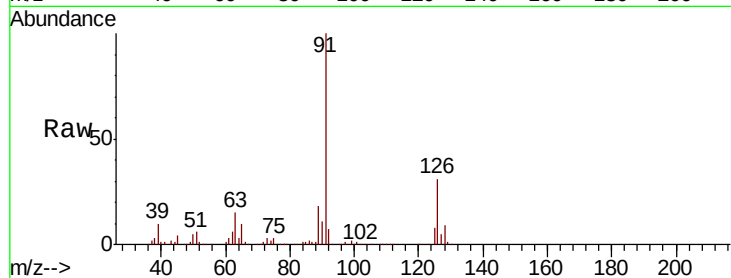
VSTDCCC050EC

Tgt Ion: 91 Resp: 415819

Ion Ratio Lower Upper

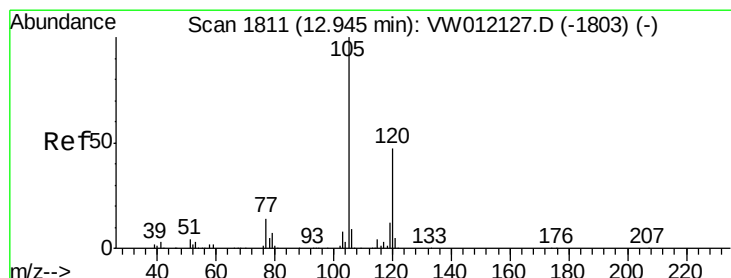
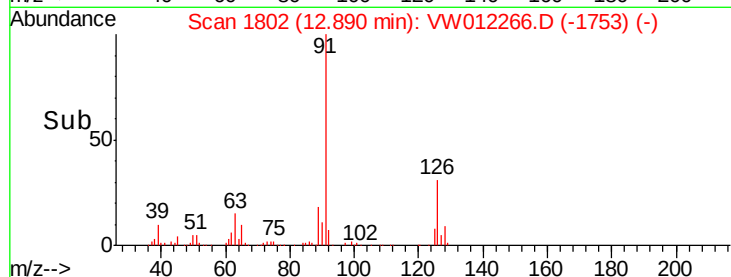
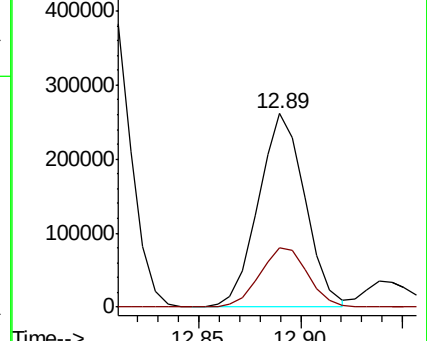
91 100

126 31.6 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: 53.106 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012266.D

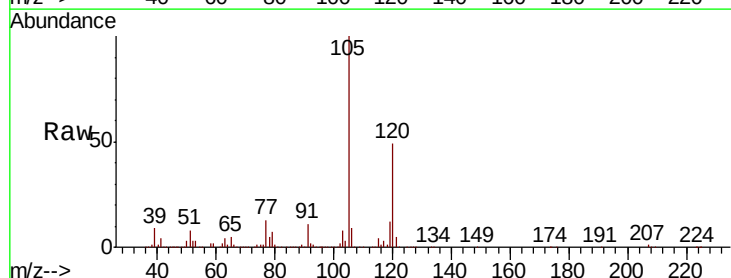
Acq: 28 Aug 2019 20:50

Tgt Ion: 105 Resp: 505028

Ion Ratio Lower Upper

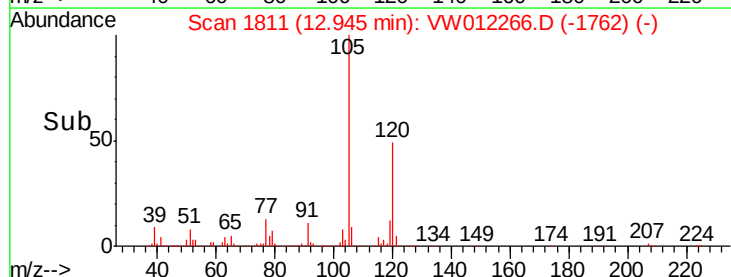
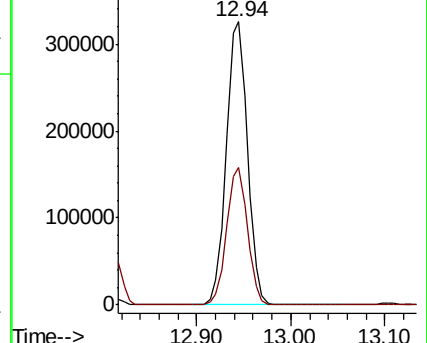
105 100

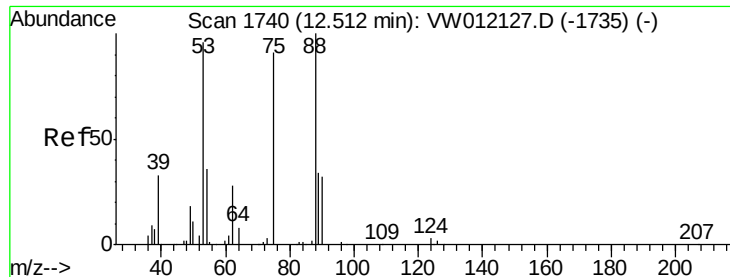
120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 59.698 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

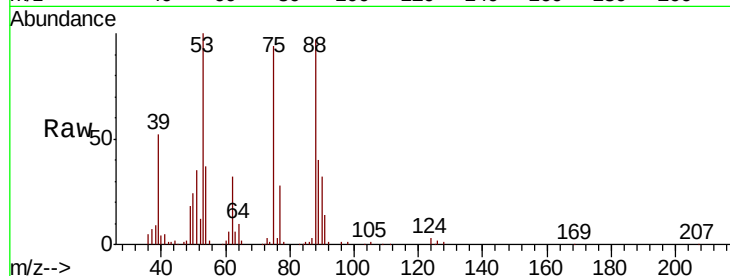
Tgt Ion: 75 Resp: 40276

Ion Ratio Lower Upper

75 100

53 108.6 89.4 134.0

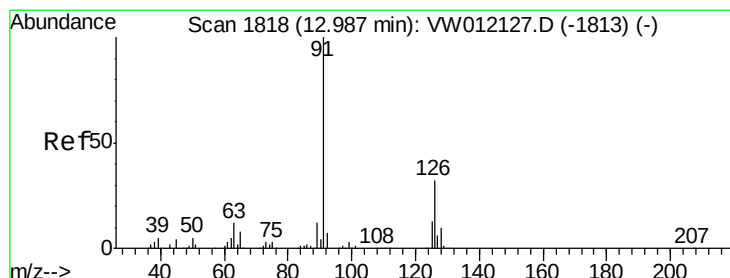
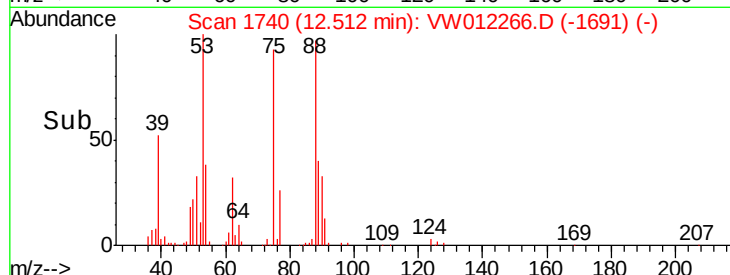
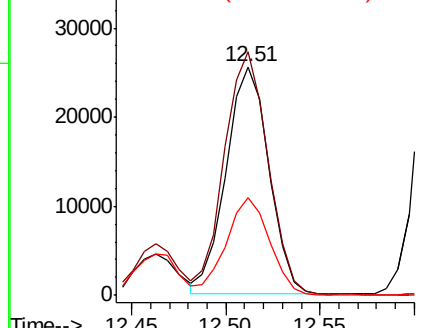
89 43.8 34.5 51.7



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: 52.584 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012266.D

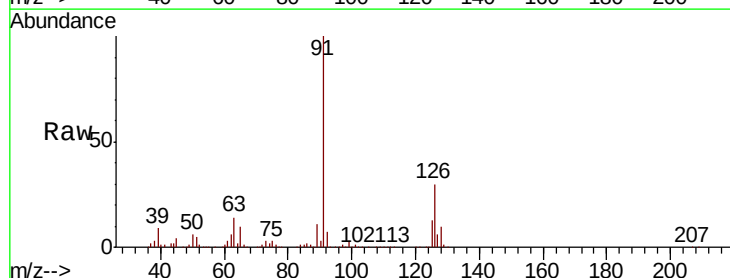
Acq: 28 Aug 2019 20:50

Tgt Ion: 91 Resp: 434308

Ion Ratio Lower Upper

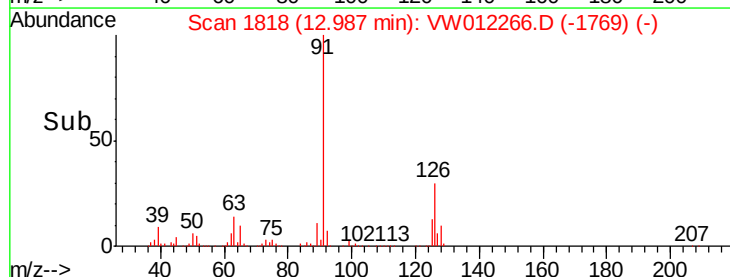
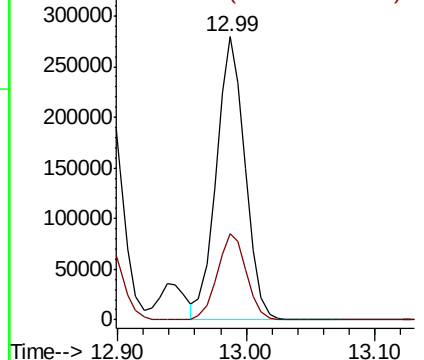
91 100

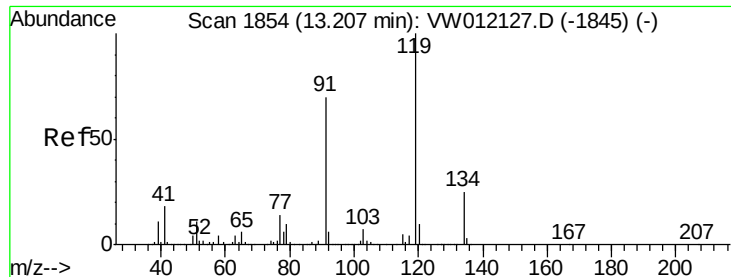
126 31.0 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

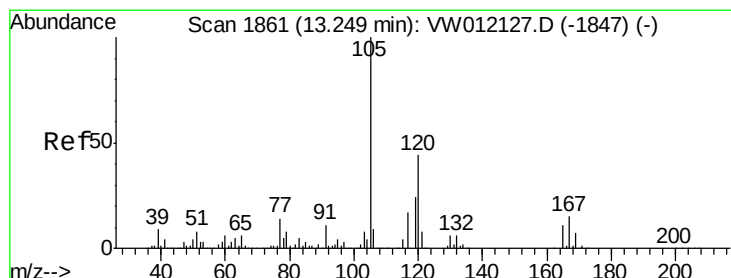
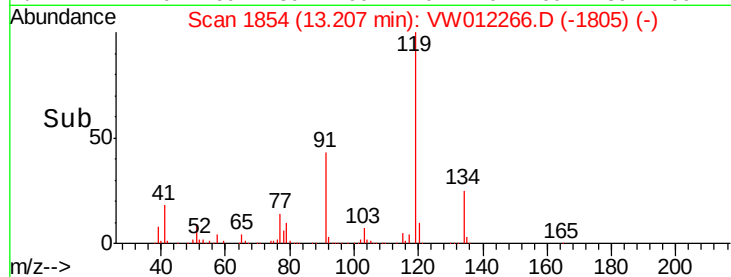
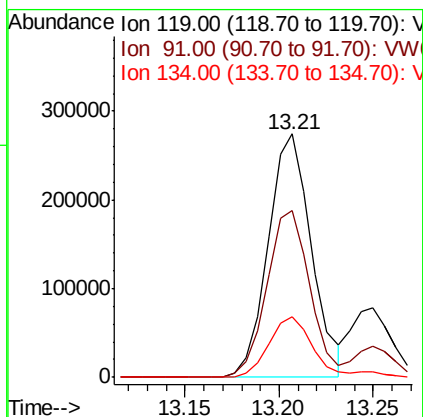
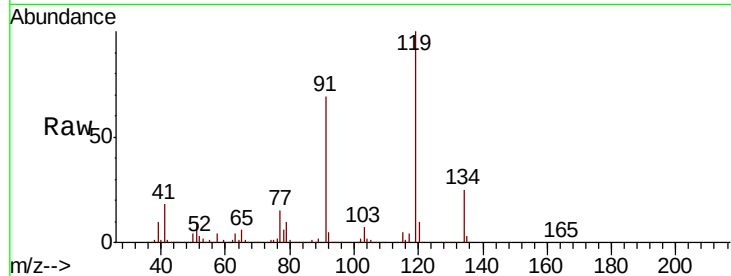




#83
 tert-Butylbenzene
 Concen: 54.225 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

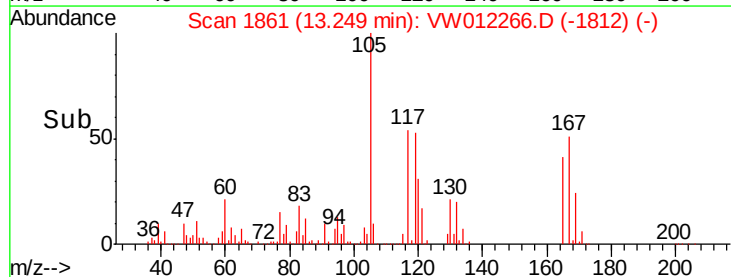
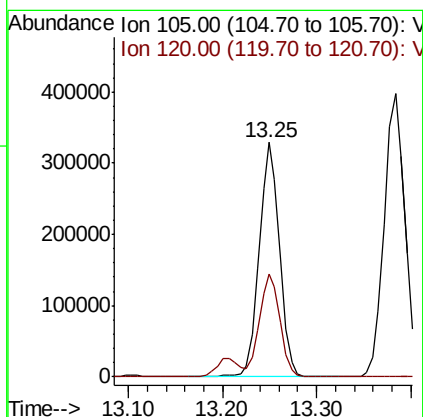
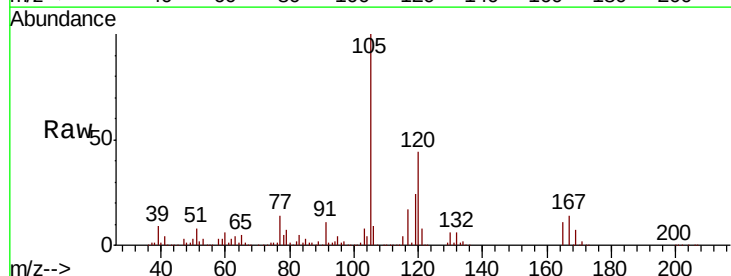
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

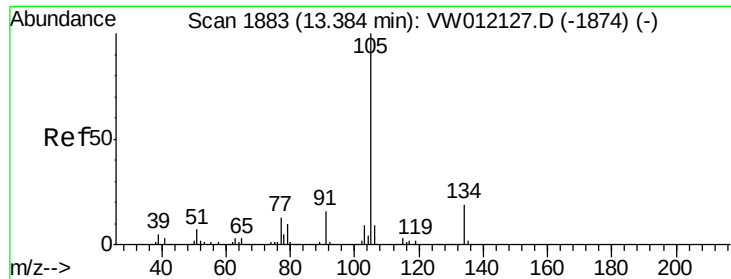
Tgt Ion:119 Resp: 436813
 Ion Ratio Lower Upper
 119 100
 91 67.9 34.8 104.3
 134 24.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.484 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion:105 Resp: 501369
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 52.731 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

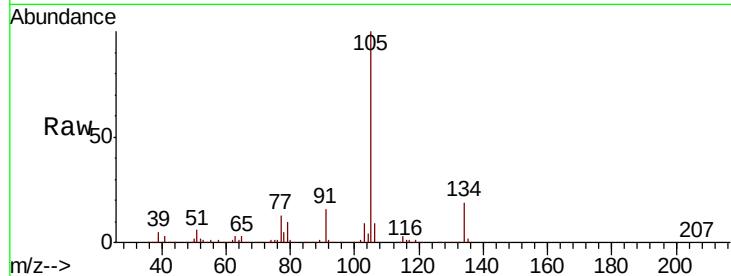
VSTDCCC050EC

Tgt Ion:105 Resp: 608572

Ion Ratio Lower Upper

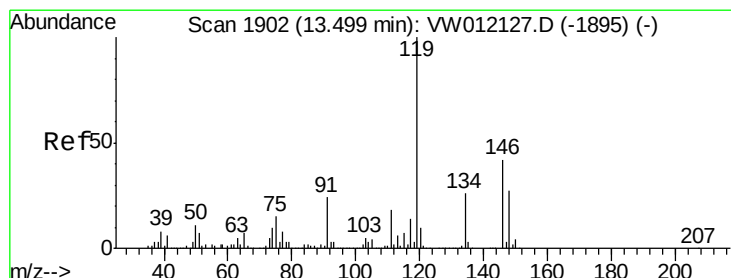
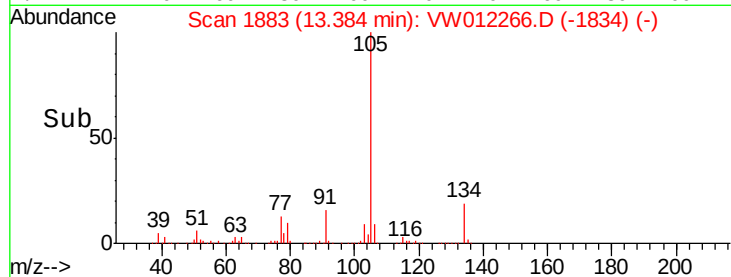
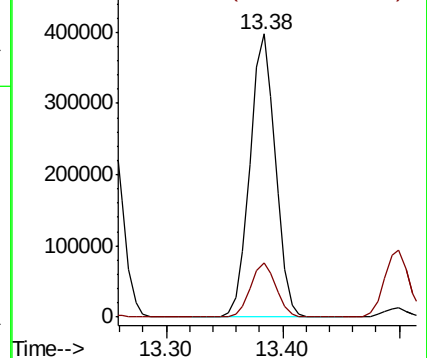
105 100

134 19.3 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.440 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

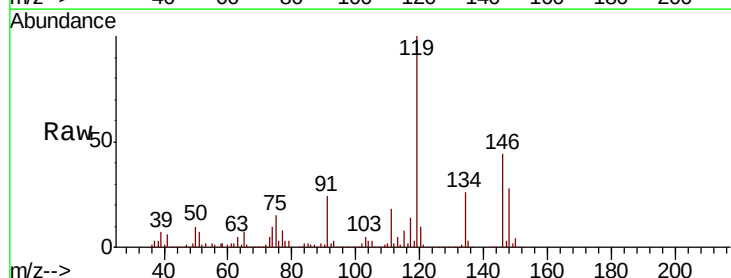
Tgt Ion:119 Resp: 550795

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

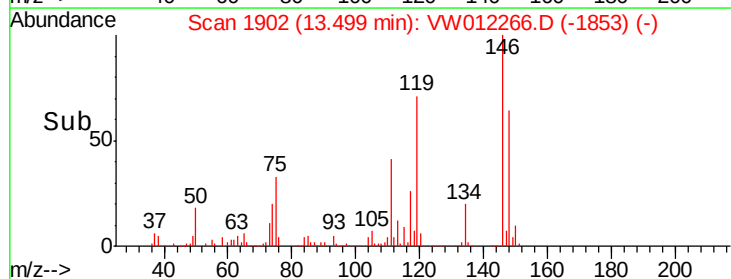
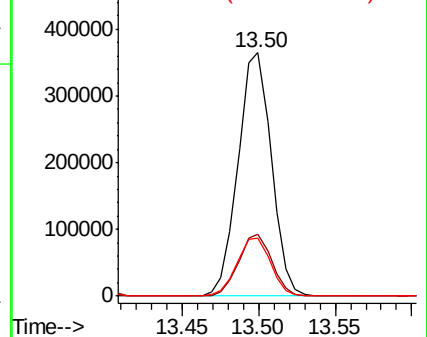
91 24.1 12.3 36.9

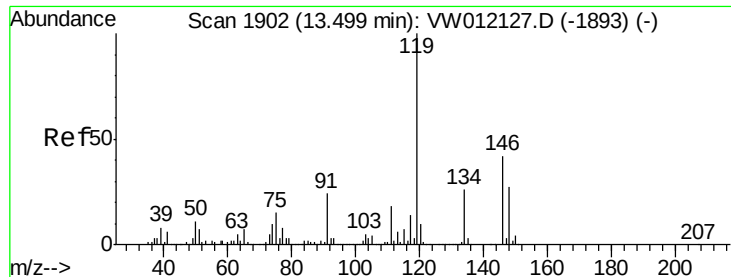


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

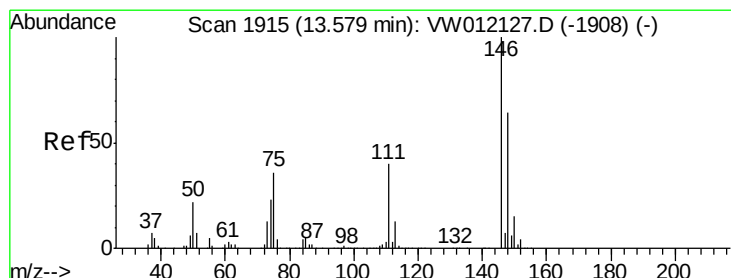
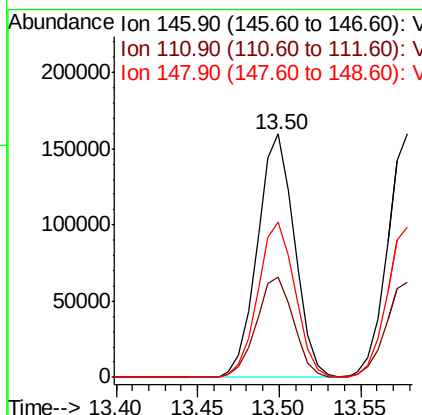
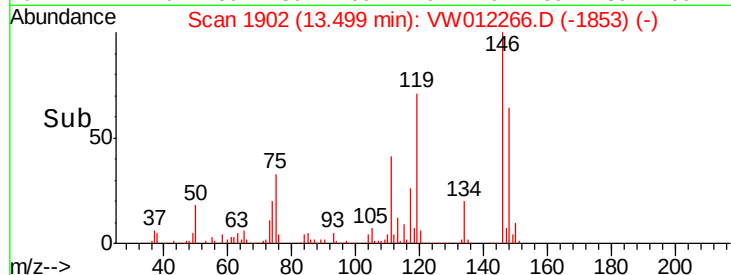
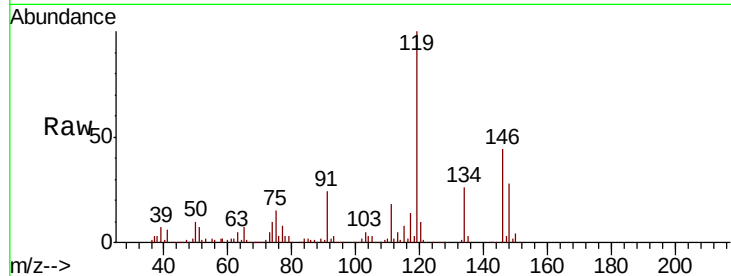




#87
 1,3-Dichlorobenzene
 Concen: 52.417 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

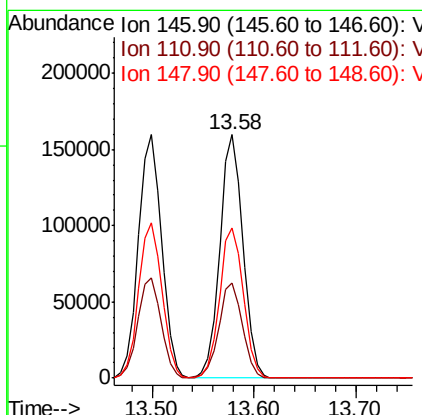
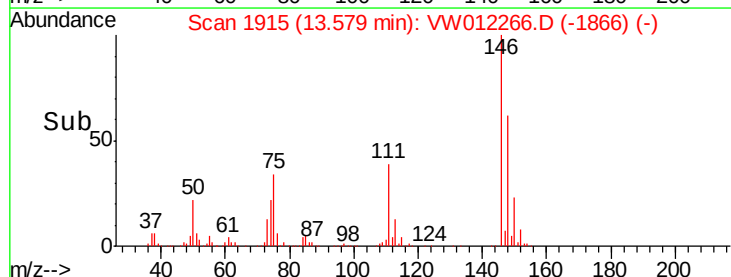
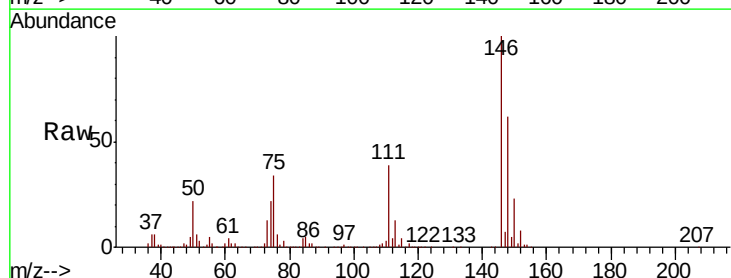
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

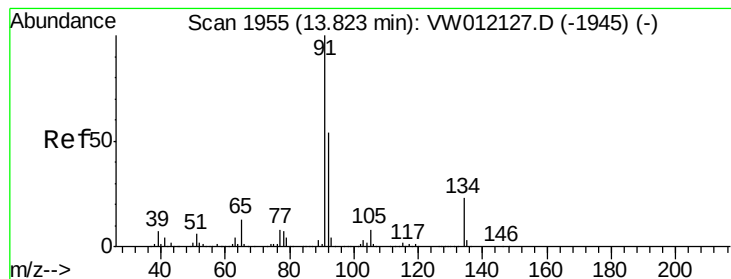
Tgt Ion:146 Resp: 252431
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.7
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 52.711 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion:146 Resp: 252049
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 52.022 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

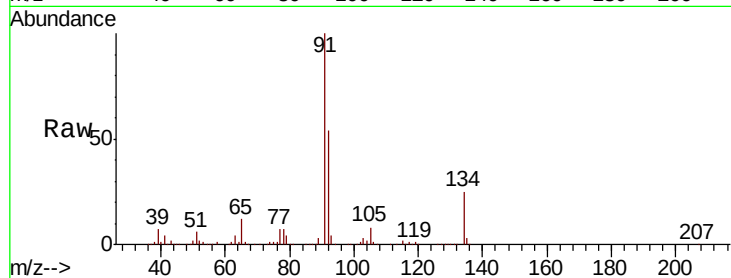
Tgt Ion: 91 Resp: 533196

Ion Ratio Lower Upper

91 100

92 54.5 27.1 81.2

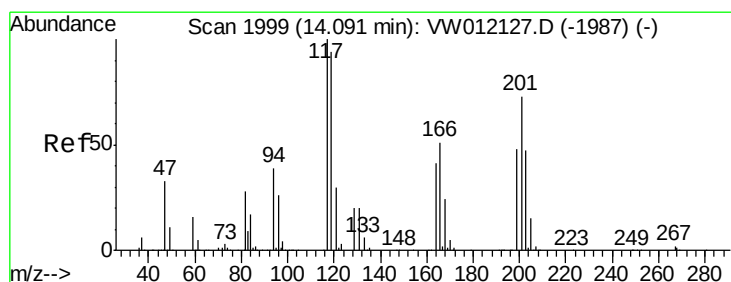
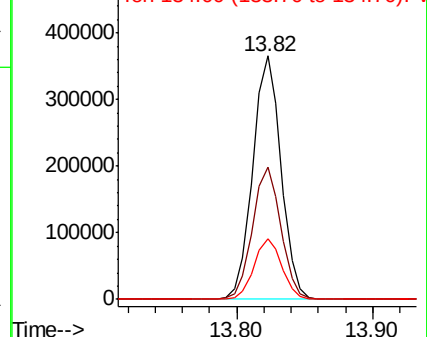
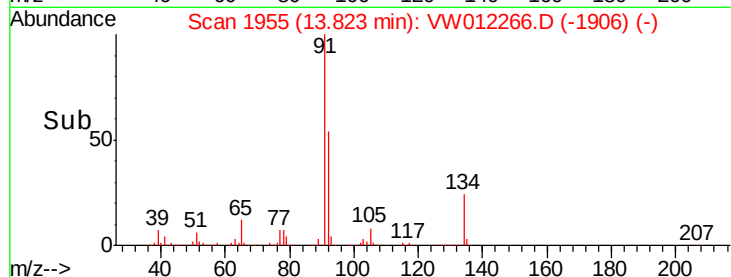
134 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.216 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012266.D

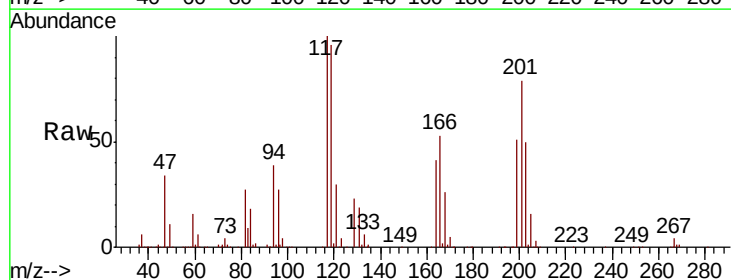
Acq: 28 Aug 2019 20:50

Tgt Ion: 117 Resp: 96231

Ion Ratio Lower Upper

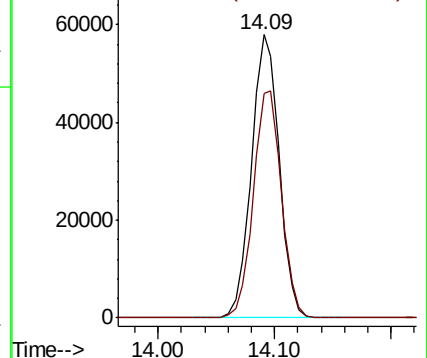
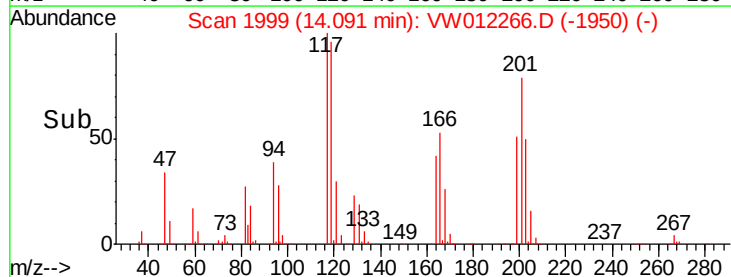
117 100

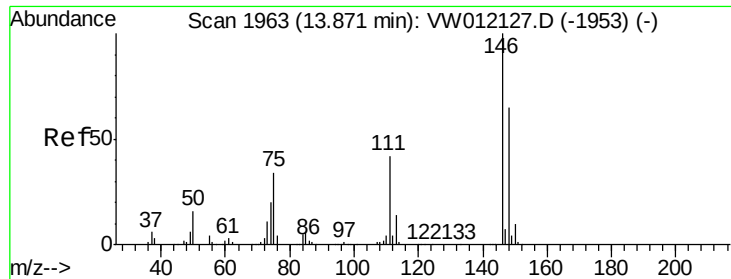
201 80.9 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

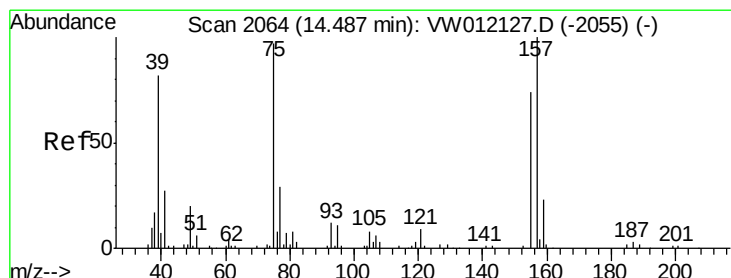
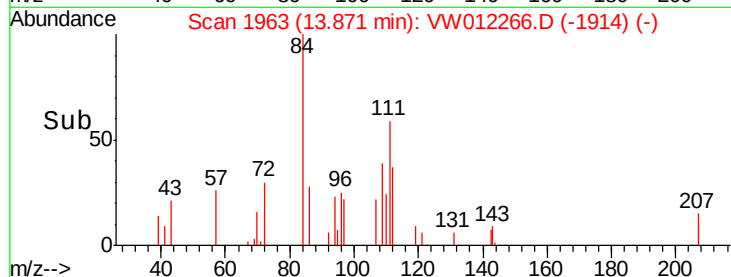
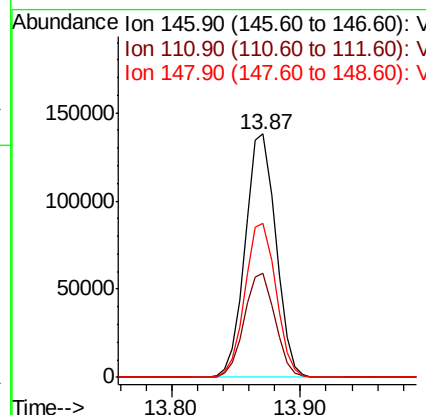
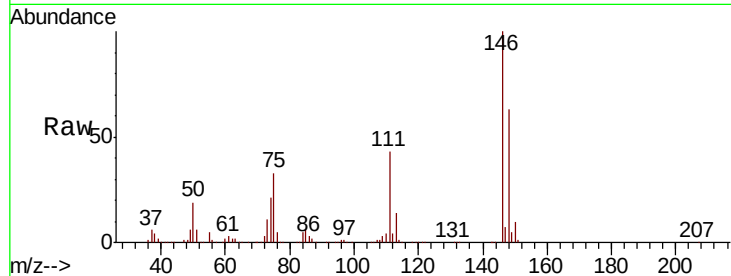




#91
 1,2-Dichlorobenzene
 Concen: 53.671 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

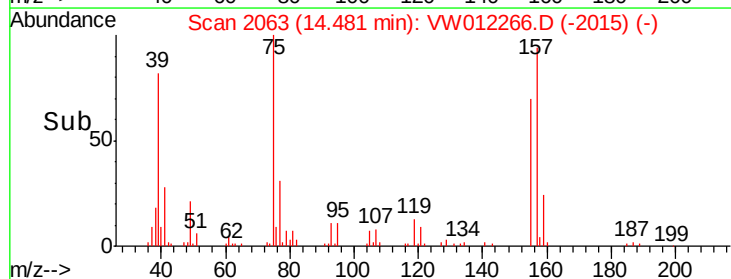
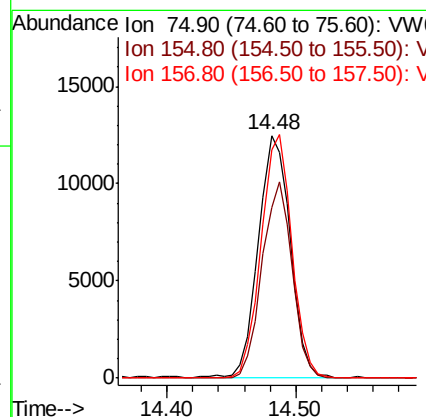
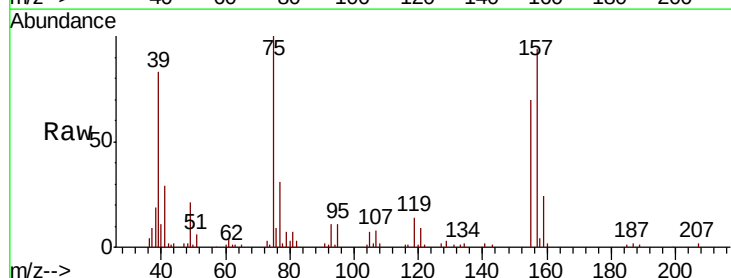
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

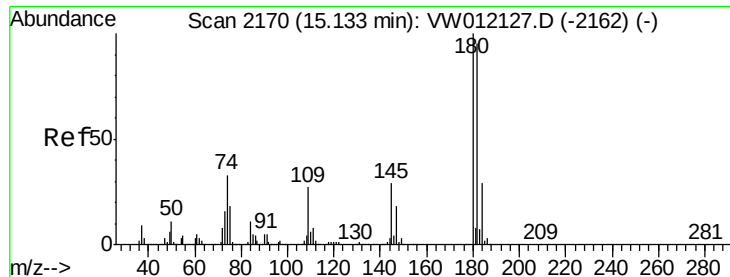
Tgt Ion:146 Resp: 226744
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.2 63.6
 148 64.0 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.971 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 75 Resp: 21446
 Ion Ratio Lower Upper
 75 100
 155 75.7 37.5 112.3
 157 96.4 50.5 151.5

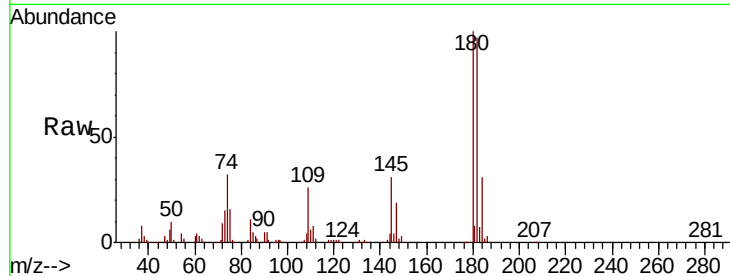




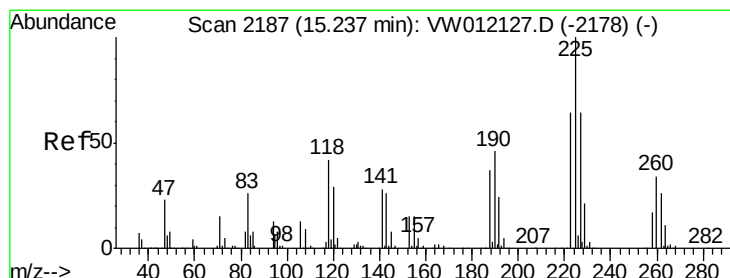
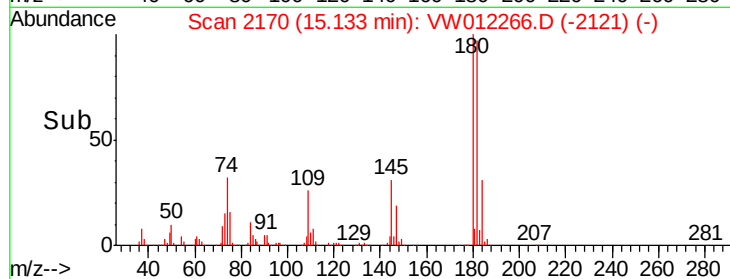
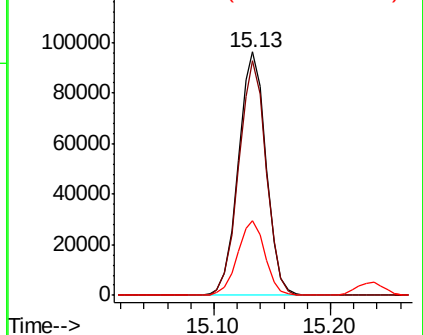
#93
 1,2,4-Trichlorobenzene
 Concen: 54.529 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 159199
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.4
 145 30.4 15.0 45.1

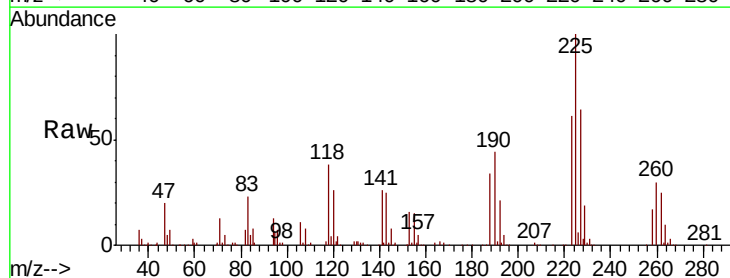


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

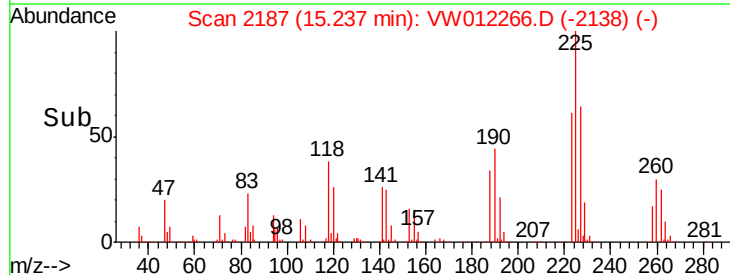
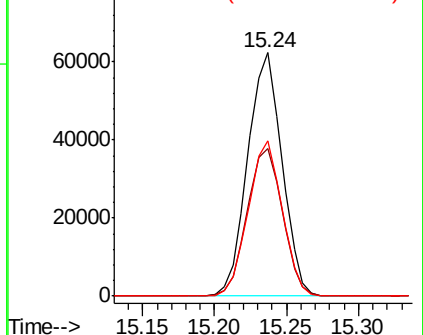


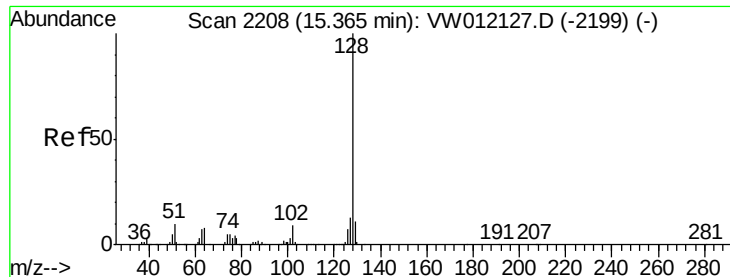
#94
 Hexachlorobutadiene
 Concen: 53.141 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion:225 Resp: 102444
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.3 96.8
 227 63.3 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

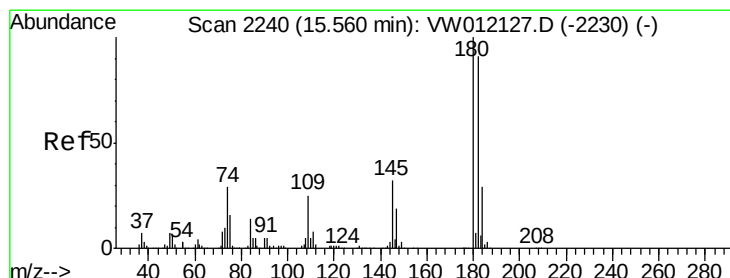
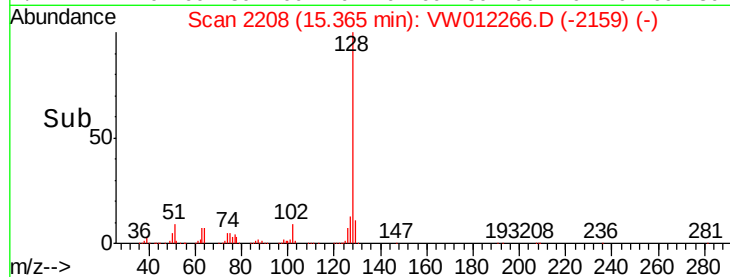
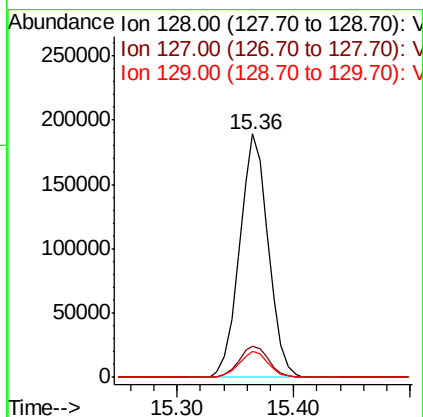
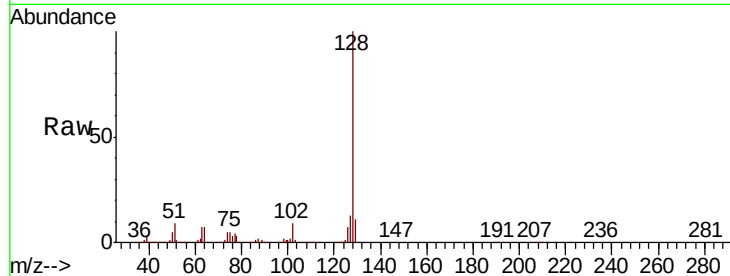




#95
Naphthalene
Concen: 55.932 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 323647
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 55.571 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion:180 Resp: 141553
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 31.6 16.2 48.5

