

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011975.D
 Acq On : 16 Aug 2019 19:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 17 05:01:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129165	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	106916	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.32	98	435275	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.62	95	158704	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58714	48.298	ug/l	90
3) Chloromethane	2.21	50	101269	48.041	ug/l	98
4) Vinyl Chloride	2.36	62	126369	49.794	ug/l	98
5) Bromomethane	2.74	94	64828	46.149	ug/l	96
6) Chloroethane	2.91	64	76502	52.772	ug/l	98
7) Trichlorofluoromethane	3.24	101	60468	53.313	ug/l	92
8) Diethyl Ether	3.68	74	67406	52.416	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113134	52.582	ug/l	99
10) Methyl Iodide	4.26	142	165368	54.388	ug/l	99
11) Tert butyl alcohol	5.17	59	46901	254.012	ug/l	100
12) 1,1-Dichloroethene	4.04	96	117004	51.505	ug/l	99
13) Acrolein	3.88	56	35018	194.846	ug/l	99
14) Allyl chloride	4.66	41	255431	52.865	ug/l	99
15) Acrylonitrile	5.36	53	173268	269.910	ug/l	98
16) Acetone	4.12	43	153689	192.895	ug/l	100
17) Carbon Disulfide	4.38	76	340156	47.841	ug/l	100
18) Methyl Acetate	4.67	43	95393	53.296	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	199529	55.349	ug/l	100
20) Methylene Chloride	4.92	84	135138	49.180	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	129179	52.744	ug/l	98
22) Diisopropyl ether	6.31	45	503456	55.267	ug/l	98
23) Vinyl Acetate	6.25	43	1515599	264.777	ug/l	99
24) 1,1-Dichloroethane	6.21	63	265093	54.336	ug/l	99
25) 2-Butanone	7.17	43	240790	230.958	ug/l	97
26) 2,2-Dichloropropane	7.16	77	133308	44.430	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	144678	53.673	ug/l	97
28) Bromochloromethane	7.51	49	112619	52.006	ug/l #	98
29) Tetrahydrofuran	7.53	42	157690	264.607	ug/l	100
30) Chloroform	7.68	83	240150	53.354	ug/l	99
31) Cyclohexane	7.95	56	229788	49.066	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	187644	54.741	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196154	52.069	ug/l	99
37) Ethyl Acetate	7.25	43	108792	50.196	ug/l	98
38) Carbon Tetrachloride	8.07	117	164586	51.035	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	218581	52.694	ug/l	98
40) Benzene	8.32	78	554302	52.530	ug/l	100
41) Methacrylonitrile	7.48	41	66856	51.603	ug/l	98
42) 1,2-Dichloroethane	8.40	62	169546	51.320	ug/l	99
43) Isopropyl Acetate	8.42	43	207705	52.109	ug/l	100
44) Trichloroethene	9.09	130	133913	52.801	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150362	53.256	ug/l	100
46) Dibromomethane	9.46	93	66828	51.859	ug/l	99
47) Bromodichloromethane	9.65	83	179376	53.065	ug/l	100
48) Methyl methacrylate	9.43	41	102489	53.528	ug/l	97
49) 1,4-Dioxane	9.44	88	22650	1213.907	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	540691	260.790	ug/l	100
52) Toluene	10.39	92	340292	53.401	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	184924	52.370	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222312	52.951	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97019	53.062	ug/l	99
56) Ethyl methacrylate	10.65	69	146498	54.755	ug/l	99
57) 1,3-Dichloropropane	10.93	76	183571	53.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	347285	285.879	ug/l	100
59) 2-Hexanone	10.97	43	371327	253.661	ug/l	100
60) Dibromochloromethane	11.13	129	108955	53.684	ug/l	98
61) 1,2-Dibromoethane	11.24	107	90498	52.303	ug/l	100
64) Tetrachloroethene	10.86	164	112665	53.635	ug/l	98
65) Chlorobenzene	11.66	112	343450	52.952	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120305	53.250	ug/l	99
67) Ethyl Benzene	11.73	91	663645	53.723	ug/l	99
68) m/p-Xylenes	11.84	106	475090	105.753	ug/l	100
69) o-Xylene	12.16	106	226061	54.151	ug/l	99
70) Styrene	12.18	104	392938	54.439	ug/l	99
71) Bromoform	12.35	173	59961	52.053	ug/l #	98
73) Isopropylbenzene	12.46	105	623645	54.488	ug/l	100
74) N-amyl acetate	12.27	43	198735	55.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112263	52.145	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	149743	92.242	ug/l #	100
77) Bromobenzene	12.75	156	137156	54.216	ug/l	99
78) n-propylbenzene	12.80	91	749239	53.789	ug/l	100
79) 2-Chlorotoluene	12.89	91	428648	53.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	526400	54.866	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36624	51.994	ug/l	97
82) 4-Chlorotoluene	12.99	91	441908	52.486	ug/l	99
83) tert-Butylbenzene	13.21	119	449367	56.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	528992	54.734	ug/l	99
85) sec-Butylbenzene	13.38	105	638811	55.801	ug/l	100
86) p-Isopropyltoluene	13.50	119	570522	54.927	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	263574	53.135	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	257394	52.163	ug/l	99
89) n-Butylbenzene	13.82	91	565881	54.592	ug/l	100
90) Hexachloroethane	14.10	117	99620	54.238	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	235509	53.680	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18954	51.628	ug/l	97

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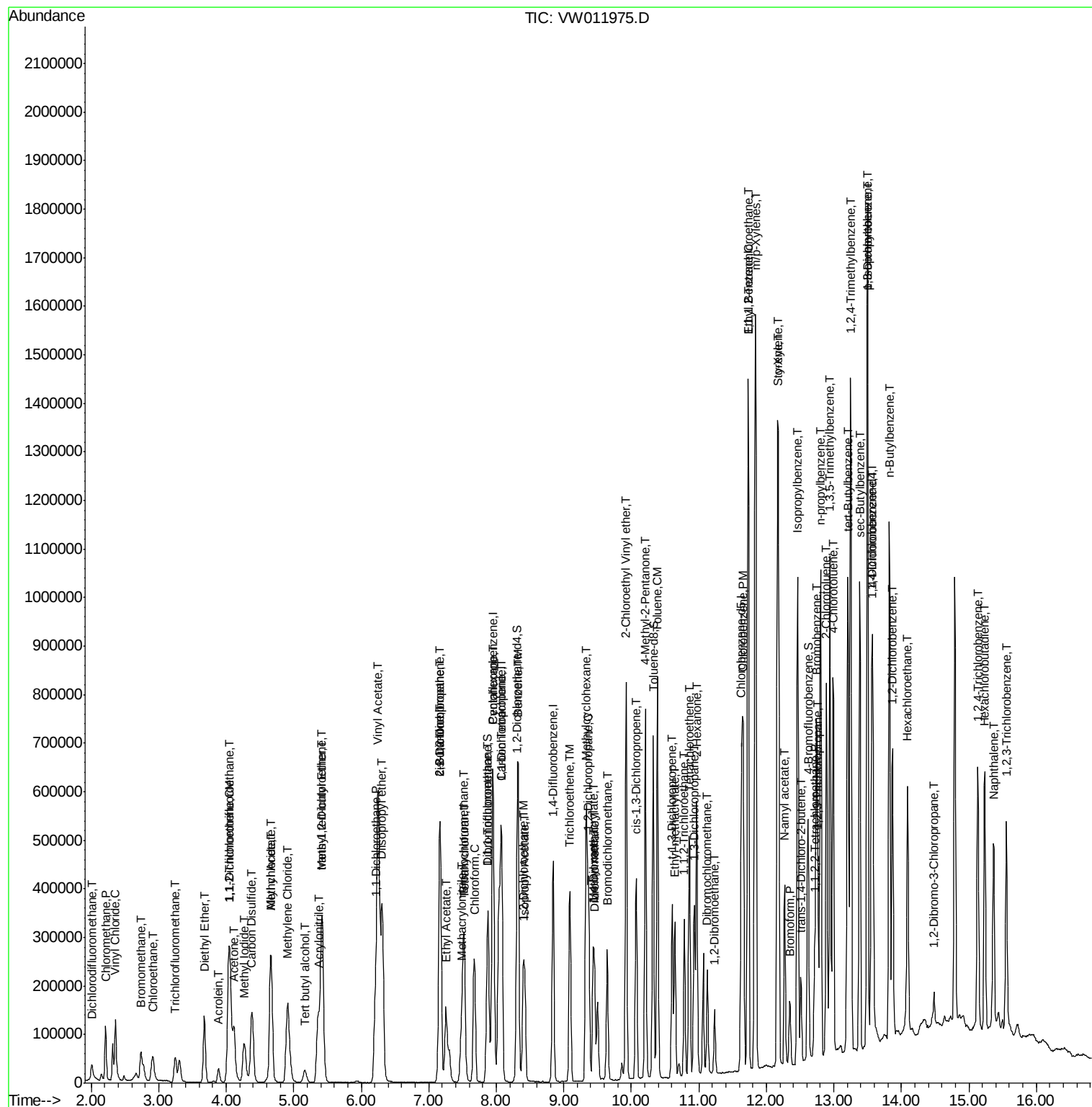
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166559	53.868	ug/l	99
94) Hexachlorobutadiene	15.24	225	106561	55.263	ug/l	99
95) Naphthalene	15.36	128	315015	51.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	146843	54.179	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

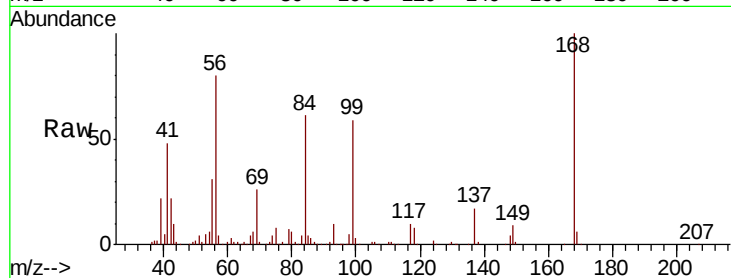
VSTDCCC050EC

Tgt Ion:168 Resp: 218129

Ion Ratio Lower Upper

168 100

99 58.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW011512.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW011975.D (-942) (-)

7.95

100000

80000

60000

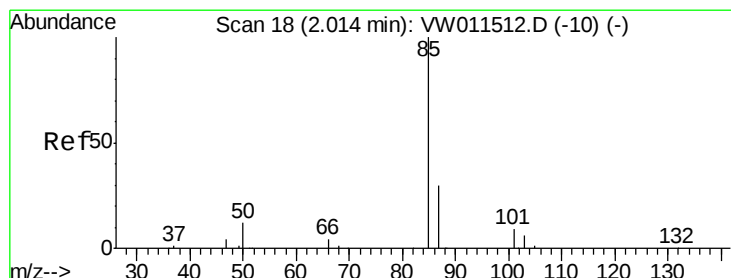
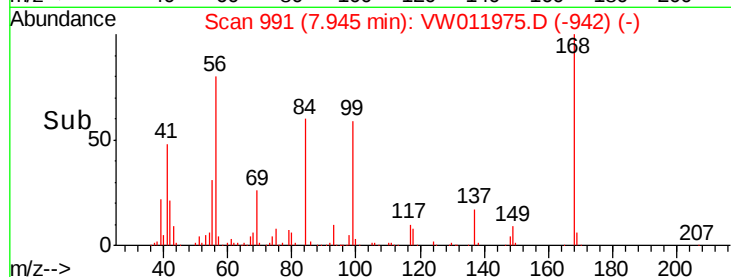
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.298 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011975.D

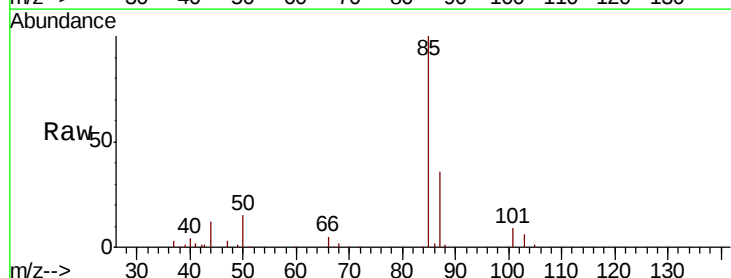
Acq: 16 Aug 2019 19:34

Tgt Ion: 85 Resp: 58714

Ion Ratio Lower Upper

85 100

87 35.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW011512.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW011975.D (-1) (-)

2.01

20000

15000

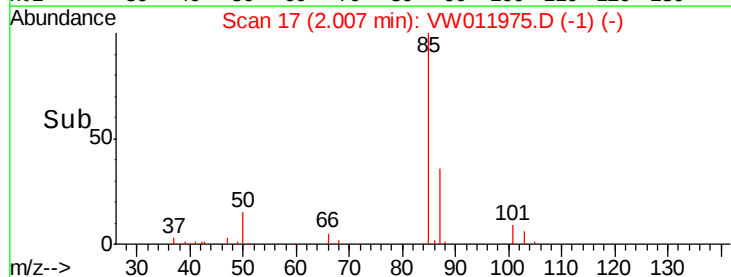
10000

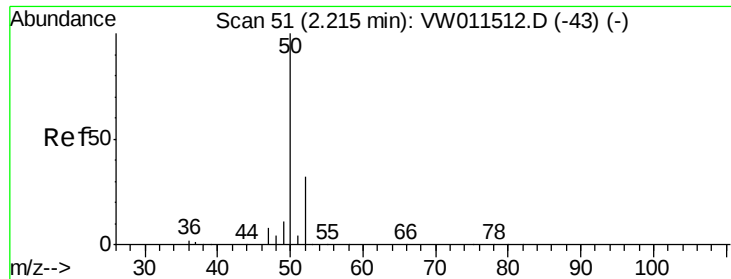
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 48.041 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

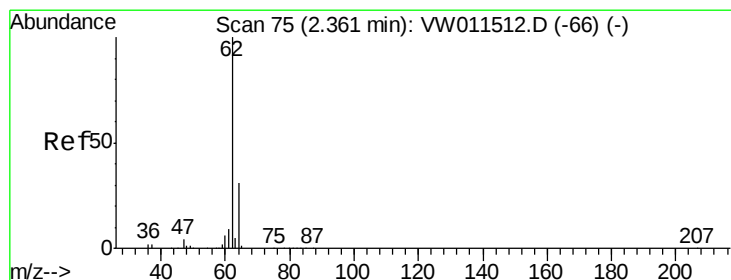
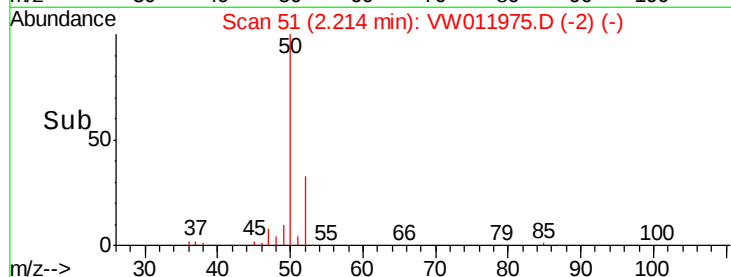
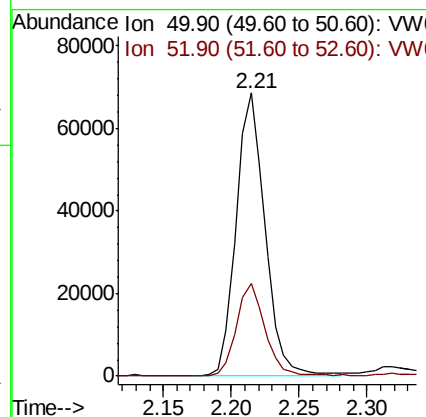
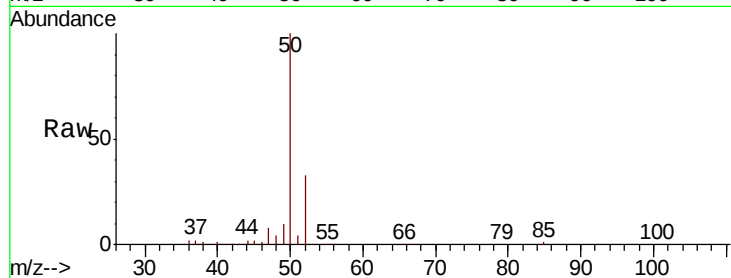
VSTDCCC050EC

Tgt Ion: 50 Resp: 101269

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2



#4

Vinyl Chloride

Concen: 49.794 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011975.D

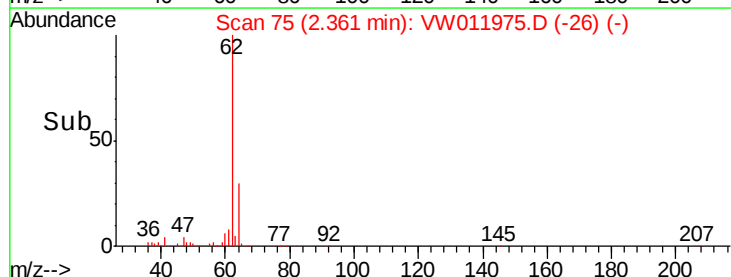
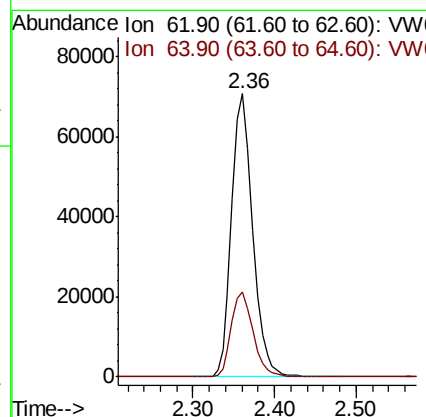
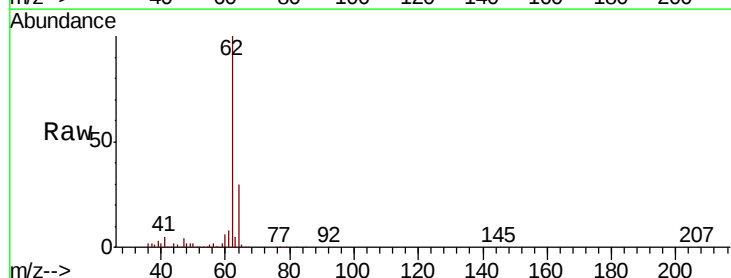
Acq: 16 Aug 2019 19:34

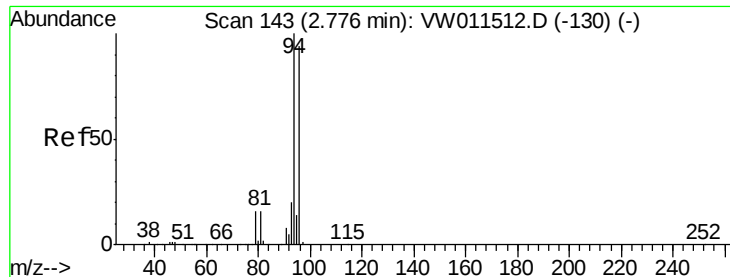
Tgt Ion: 62 Resp: 126369

Ion Ratio Lower Upper

62 100

64 29.9 25.0 37.4





#5

Bromomethane

Concen: 46.149 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.04 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

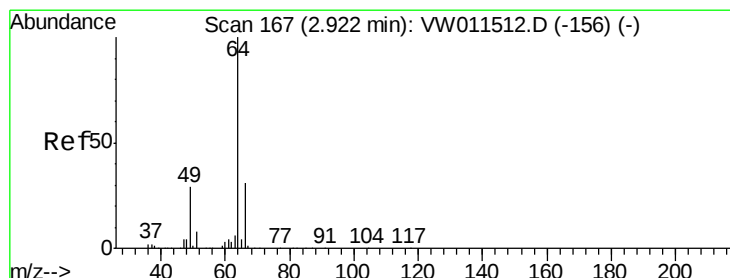
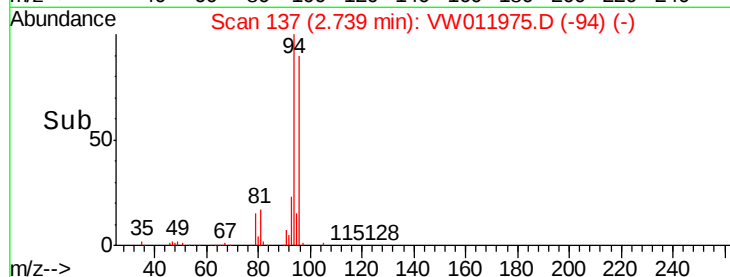
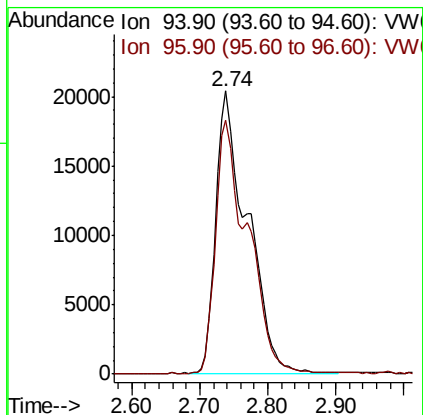
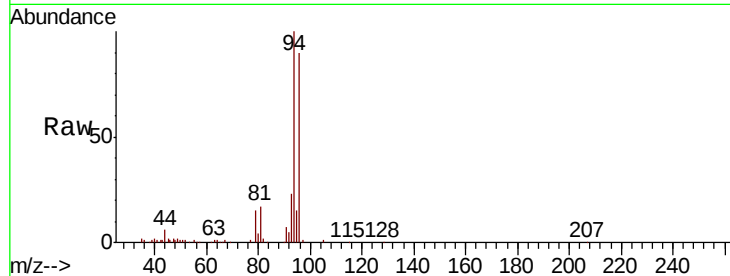
VSTDCCC050EC

Tgt Ion: 94 Resp: 64828

Ion Ratio Lower Upper

94 100

96 90.0 75.0 112.6



#6

Chloroethane

Concen: 52.772 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011975.D

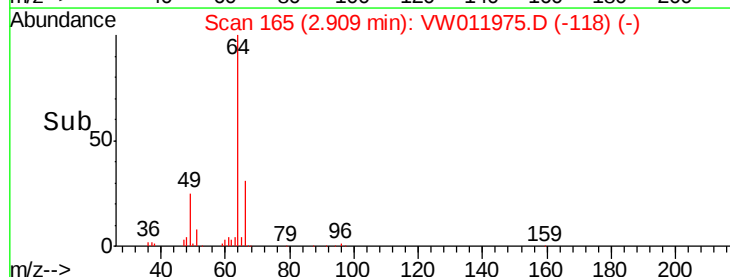
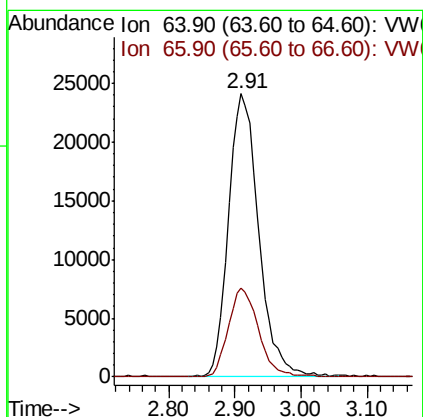
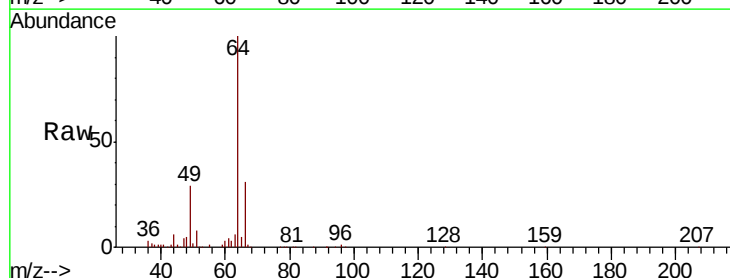
Acq: 16 Aug 2019 19:34

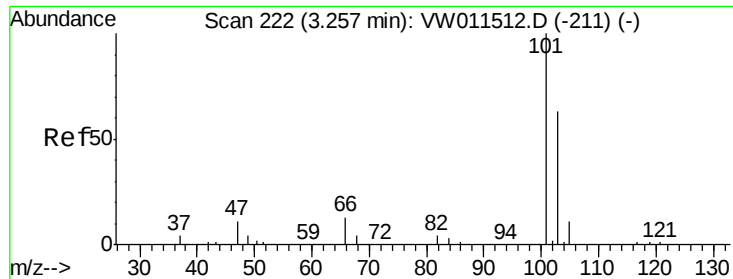
Tgt Ion: 64 Resp: 76502

Ion Ratio Lower Upper

64 100

66 31.6 24.6 36.8



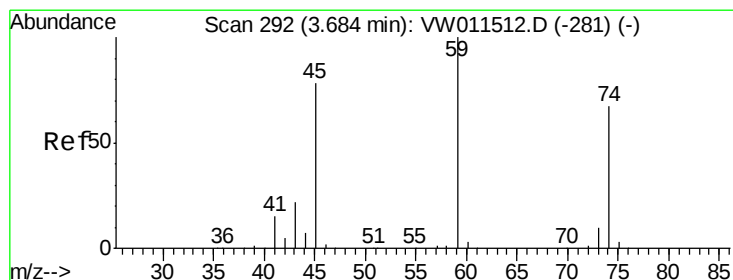
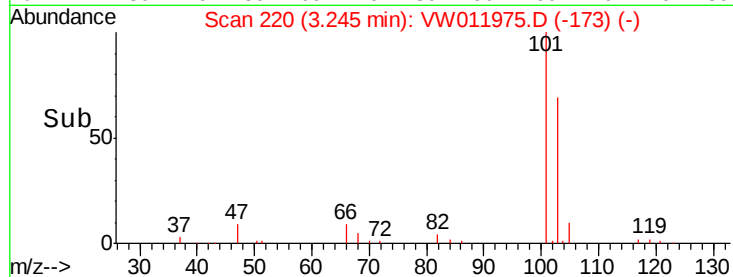
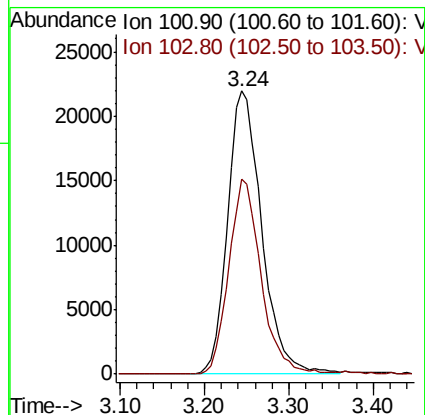
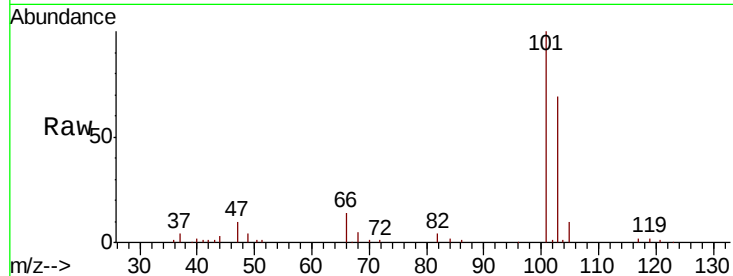


#7

Trichlorofluoromethane
 Concen: 53.313 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

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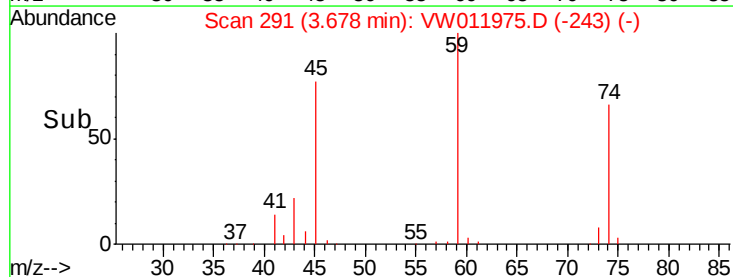
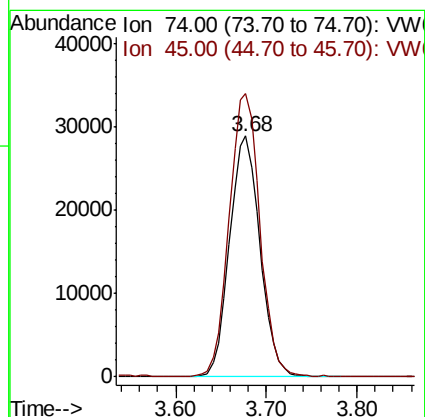
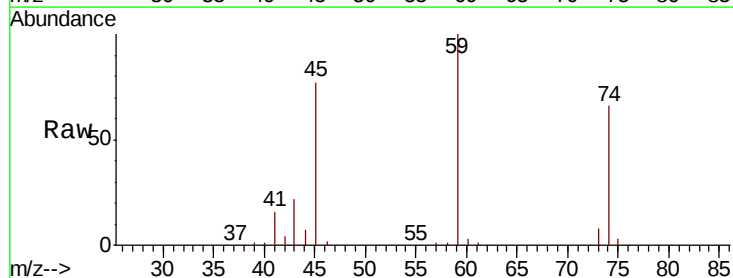
Tgt Ion: 101 Resp: 60468
 Ion Ratio Lower Upper
 101 100
 103 68.9 50.2 75.4

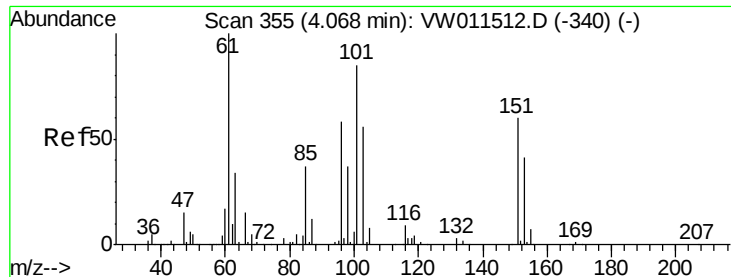


#8

Diethyl Ether
 Concen: 52.416 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 74 Resp: 67406
 Ion Ratio Lower Upper
 74 100
 45 118.0 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.582 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

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VSTDCCC050EC

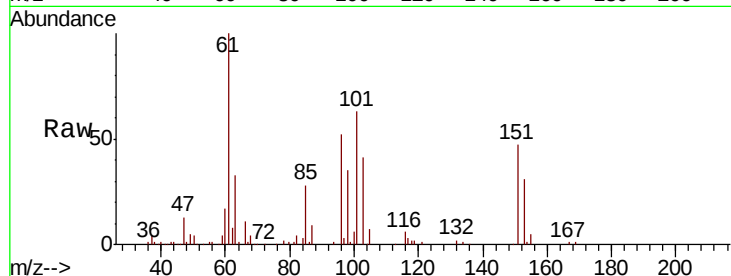
Tgt Ion:101 Resp: 113134

Ion Ratio Lower Upper

101 100

85 44.8 36.6 54.8

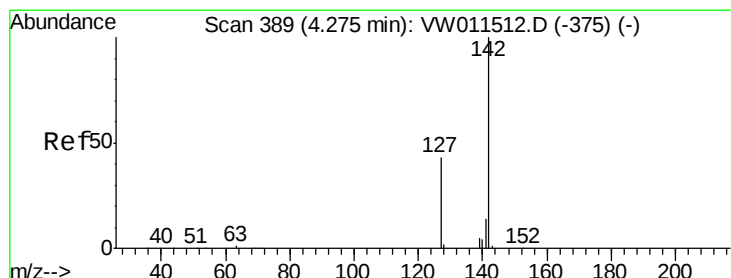
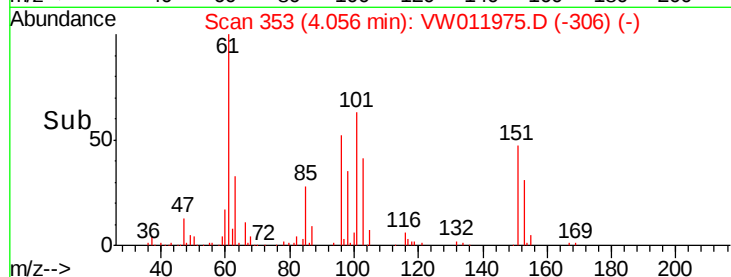
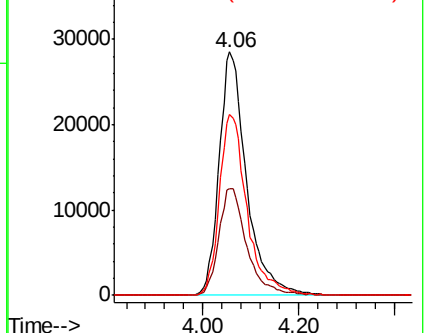
151 75.1 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.388 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

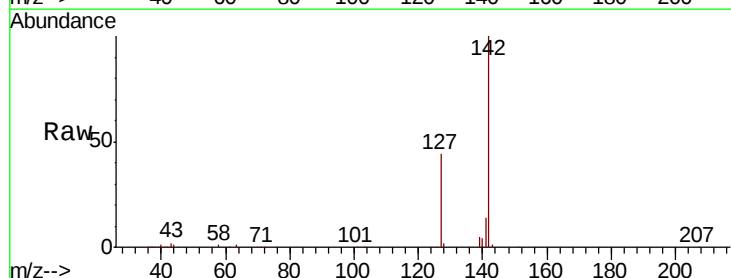
Tgt Ion:142 Resp: 165368

Ion Ratio Lower Upper

142 100

127 43.3 35.0 52.6

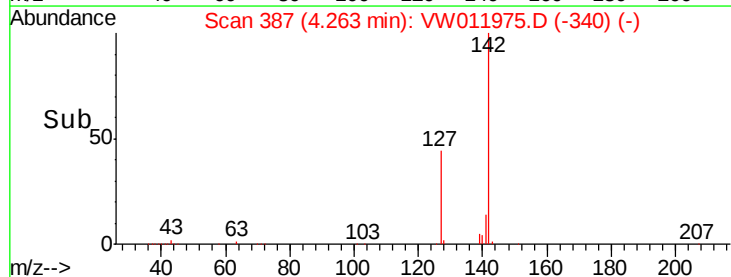
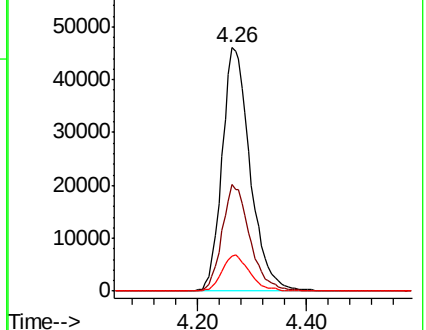
141 14.8 11.9 17.9

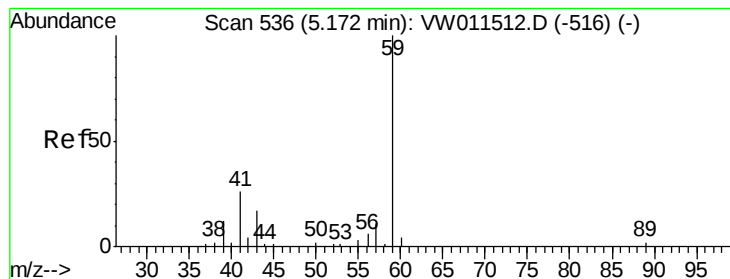


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



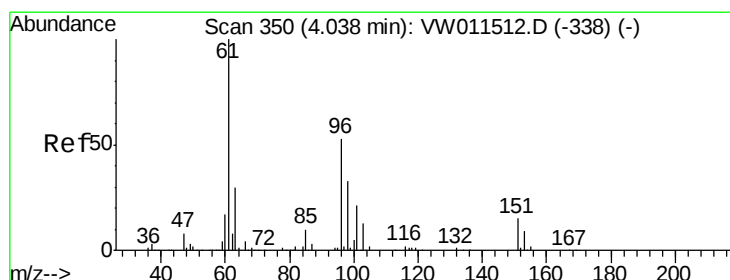
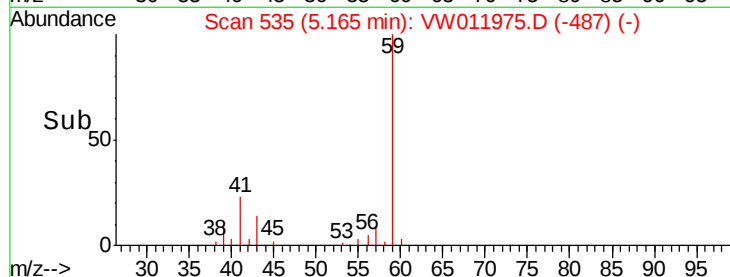
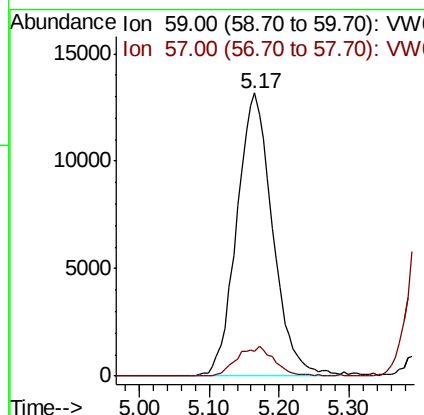
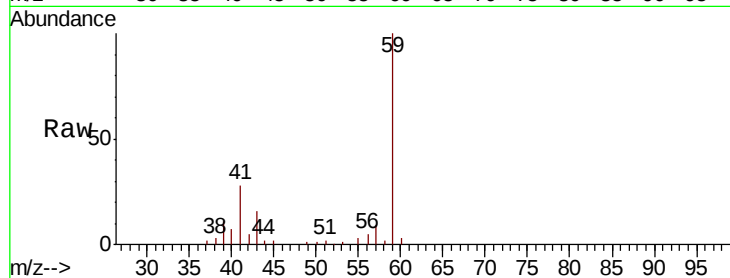


#11

Tert butyl alcohol
 Concen: 254.012 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

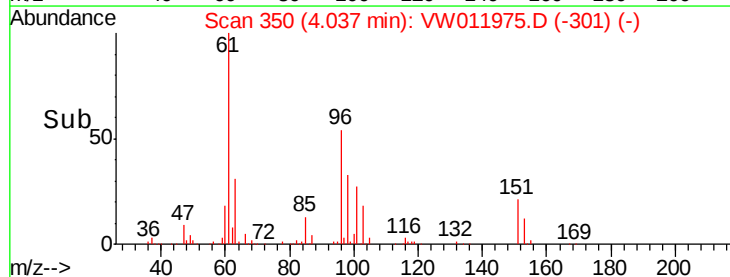
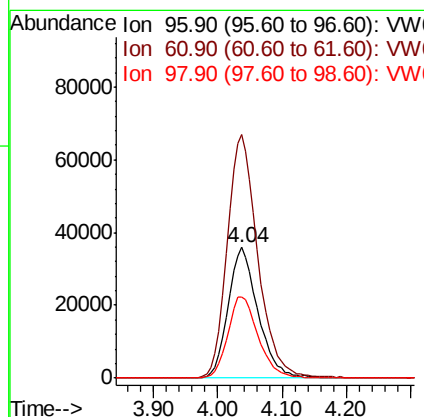
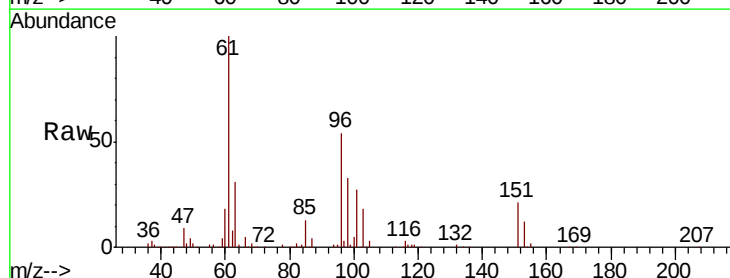
Tgt Ion: 59 Resp: 46901
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.5 12.7

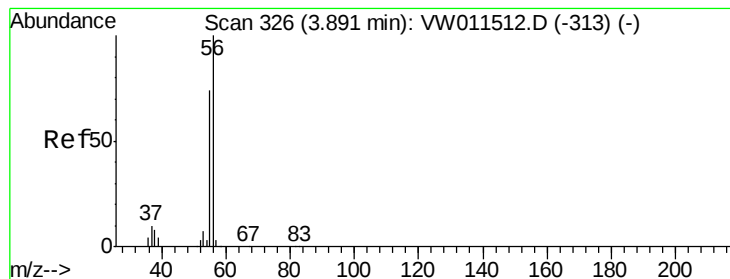


#12

1,1-Dichloroethene
 Concen: 51.505 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 96 Resp: 117004
 Ion Ratio Lower Upper
 96 100
 61 186.4 149.9 224.9
 98 62.0 49.1 73.7





#13

Acrolein

Concen: 194.846 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

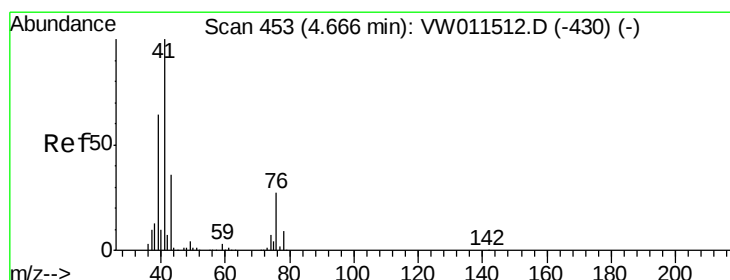
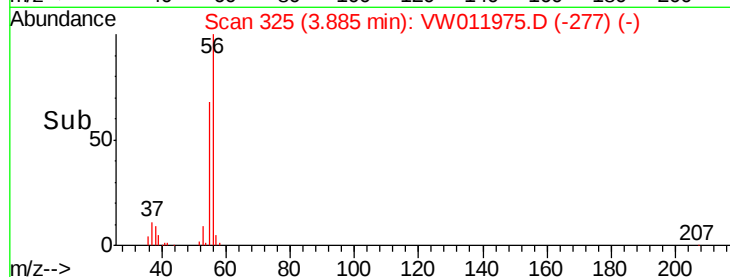
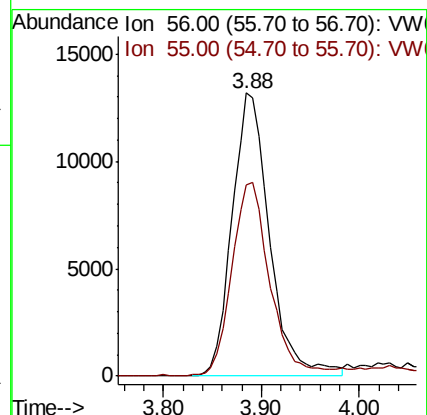
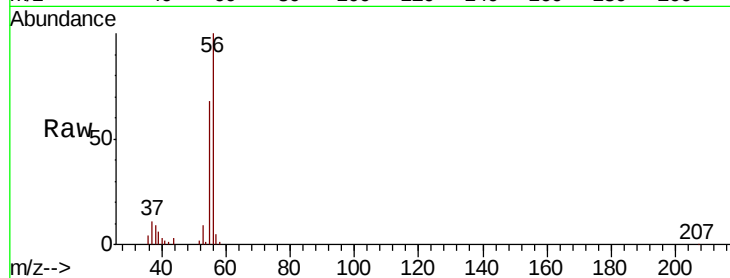
VSTDCCC050EC

Tgt Ion: 56 Resp: 35018

Ion Ratio Lower Upper

56 100

55 69.5 56.0 84.0



#14

Allyl chloride

Concen: 52.865 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

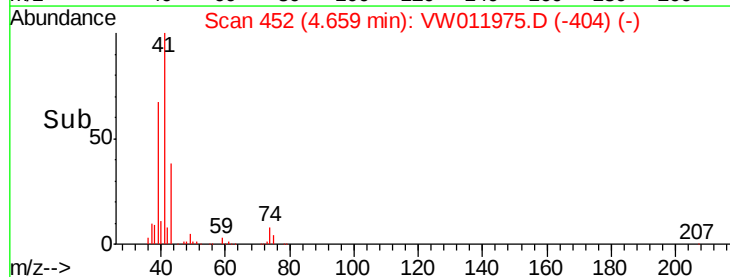
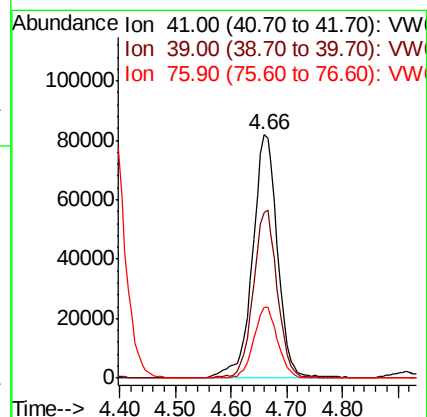
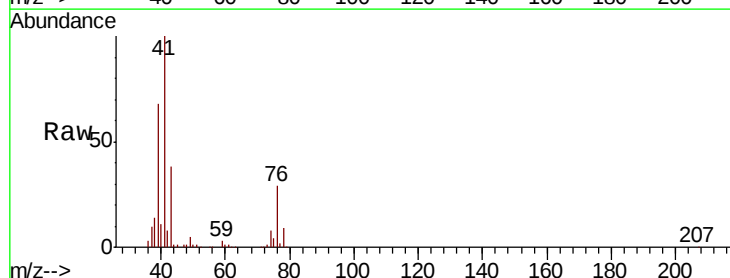
Tgt Ion: 41 Resp: 255431

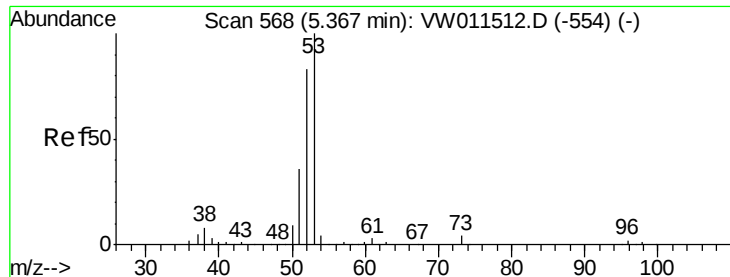
Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 269.910 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

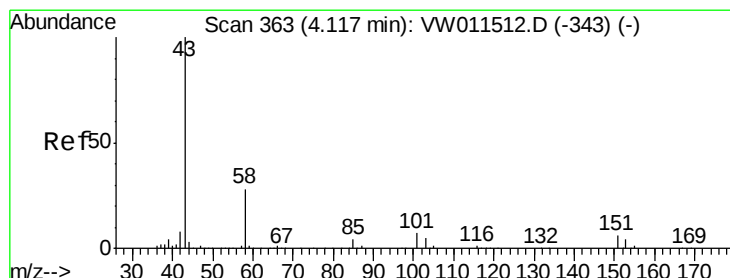
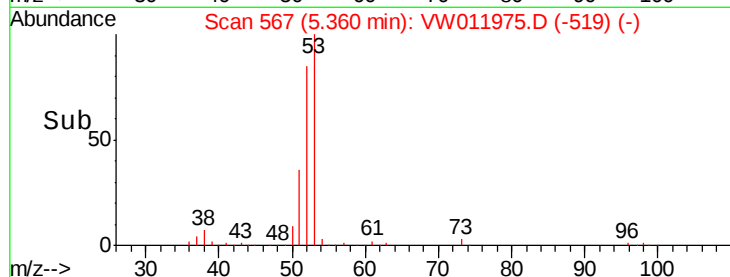
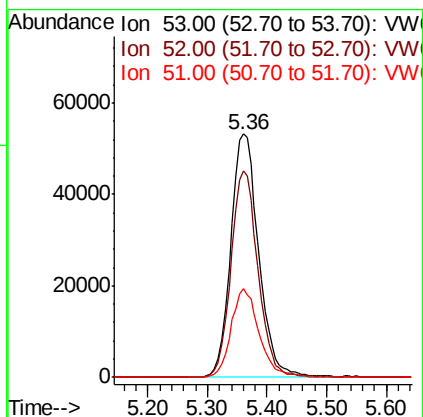
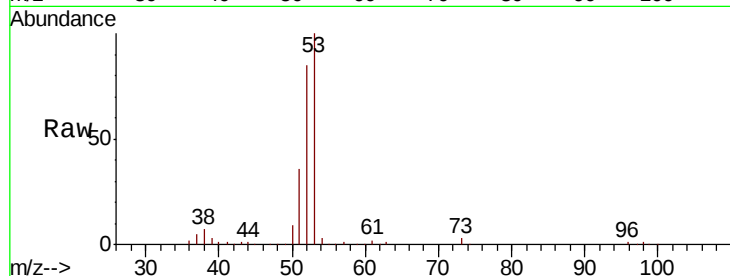
Tgt Ion: 53 Resp: 173268

Ion Ratio Lower Upper

53 100

52 82.0 67.2 100.8

51 36.5 30.0 45.0



#16

Acetone

Concen: 192.895 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011975.D

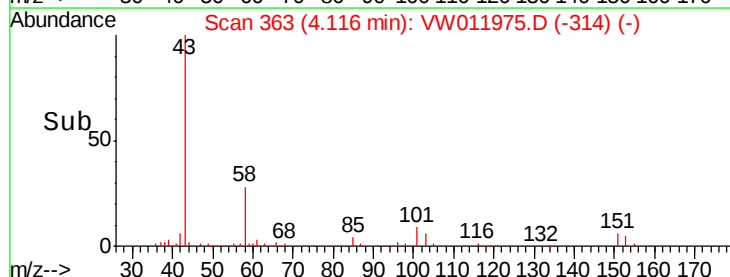
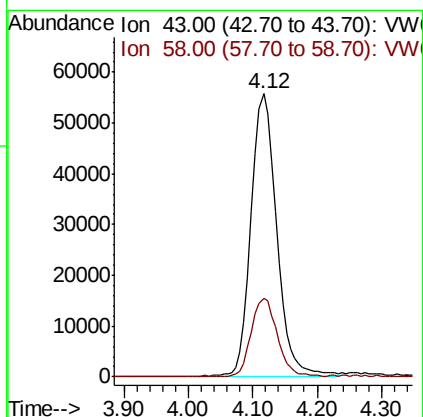
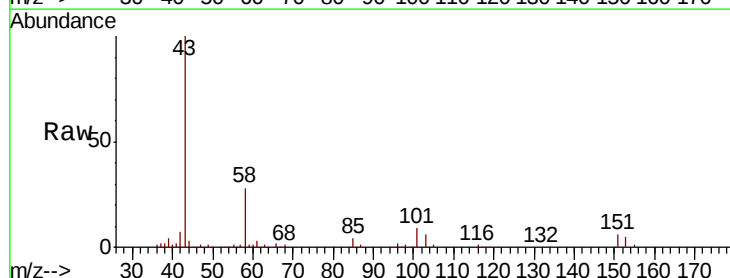
Acq: 16 Aug 2019 19:34

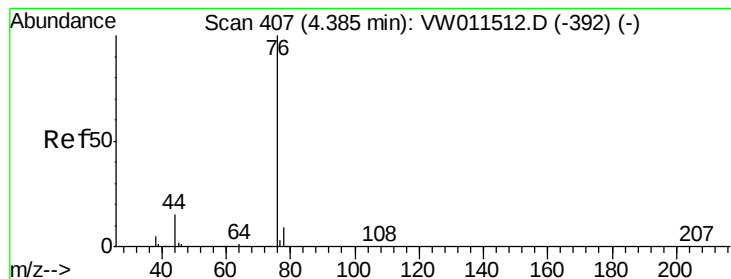
Tgt Ion: 43 Resp: 153689

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5





#17

Carbon Disulfide

Concen: 47.841 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

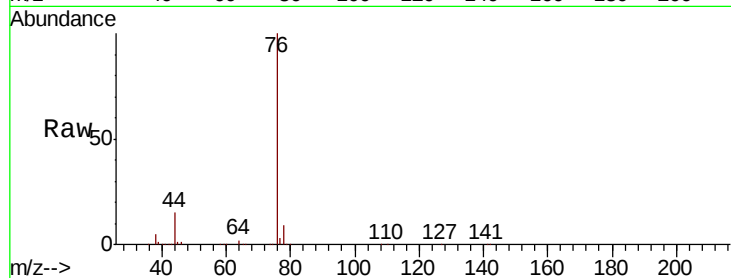
VSTDCCC050EC

Tgt Ion: 76 Resp: 340156

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

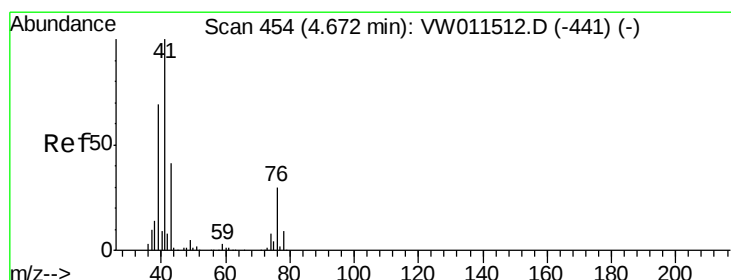
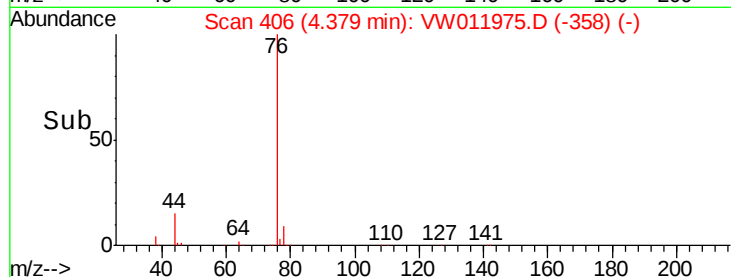
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 53.296 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011975.D

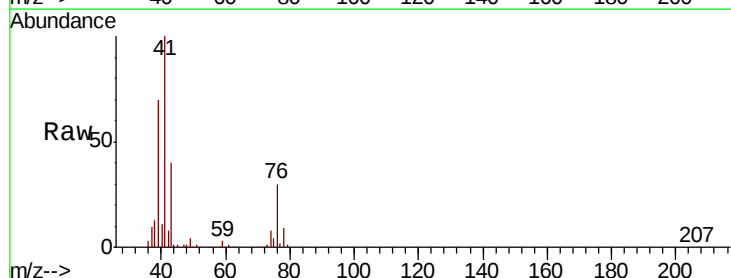
Acq: 16 Aug 2019 19:34

Tgt Ion: 43 Resp: 95393

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

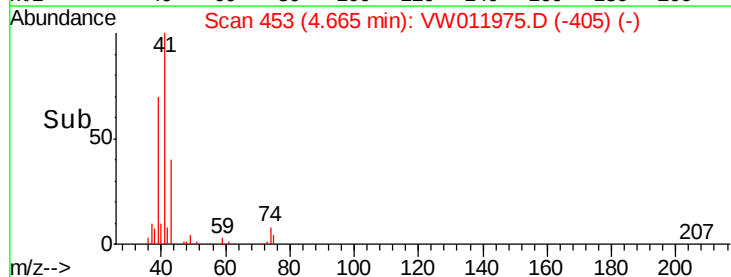
30000

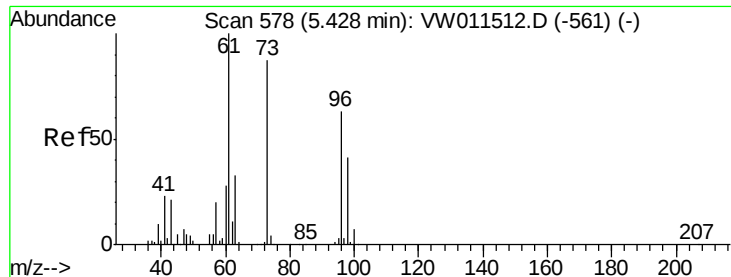
20000

10000

0

Time--> 4.50 4.60 4.70 4.80

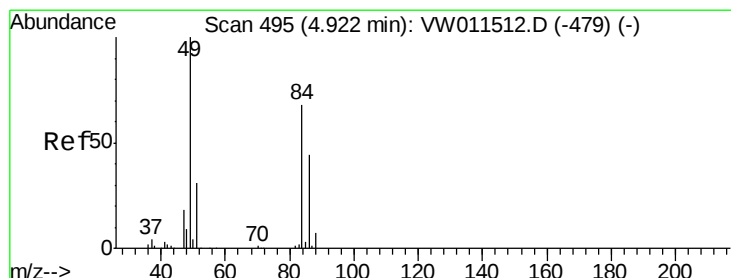
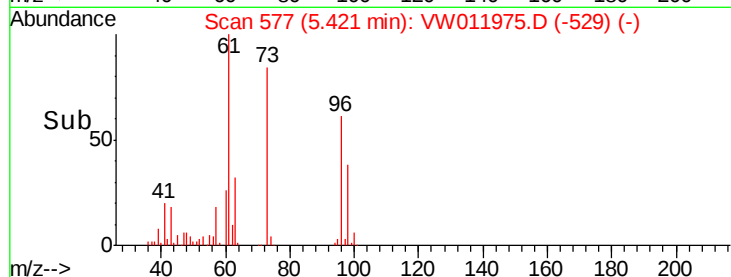
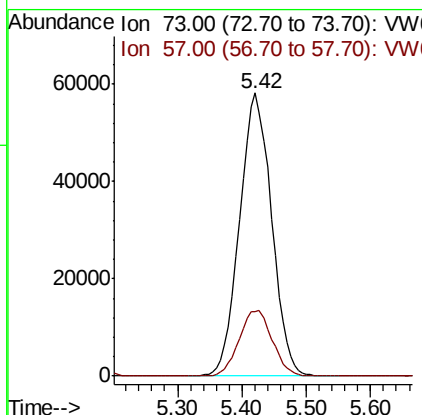
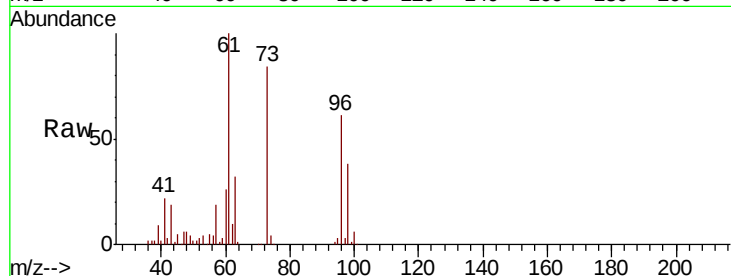




#19
Methyl tert-butyl Ether
Concen: 55.349 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

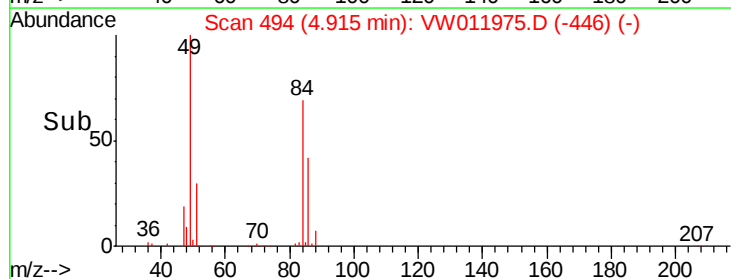
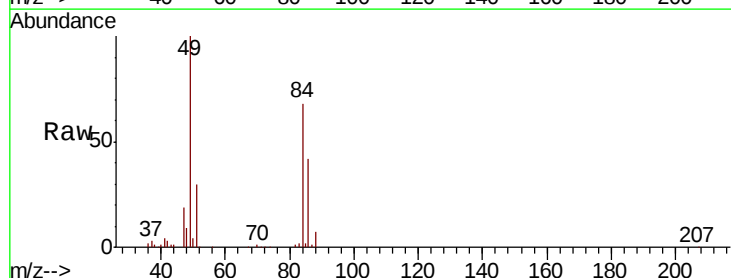
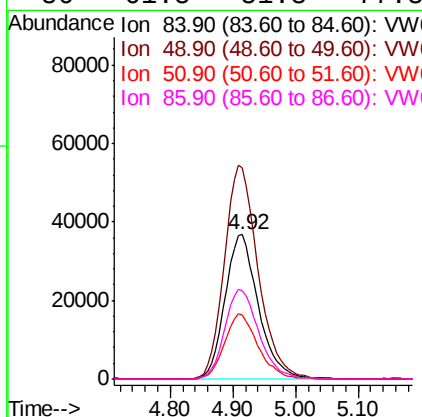
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

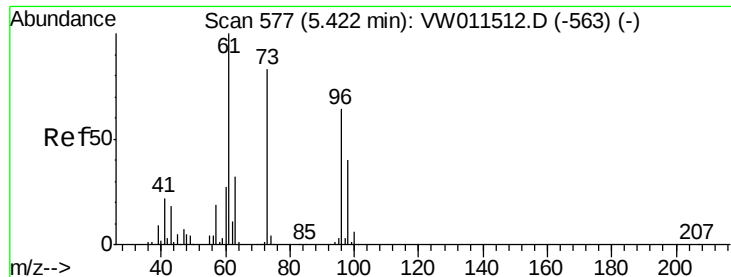
Tgt Ion: 73 Resp: 199529
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 49.180 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 84 Resp: 135138
Ion Ratio Lower Upper
84 100
49 146.0 117.8 176.6
51 44.3 37.0 55.4
86 61.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.744 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

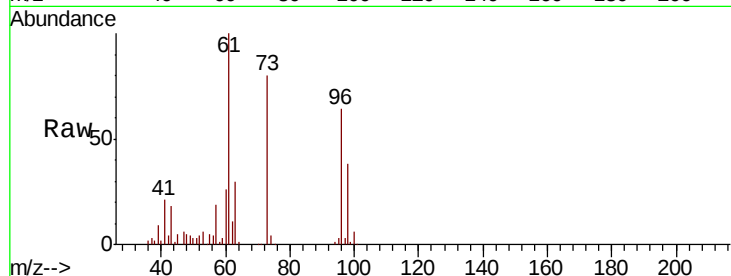
Tgt Ion: 96 Resp: 129179

Ion Ratio Lower Upper

96 100

61 155.8 125.7 188.5

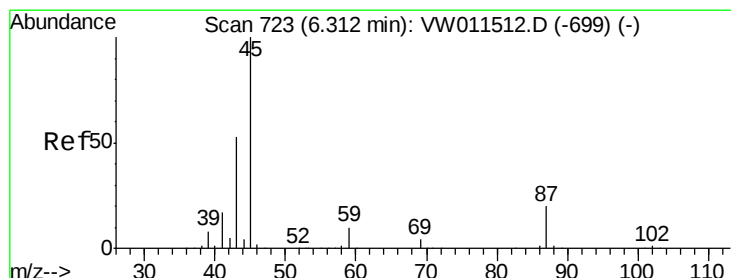
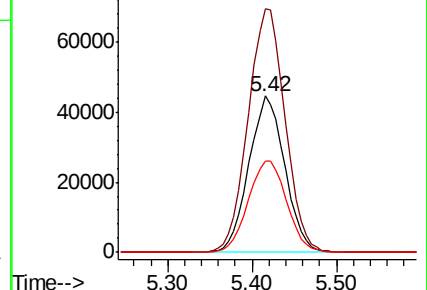
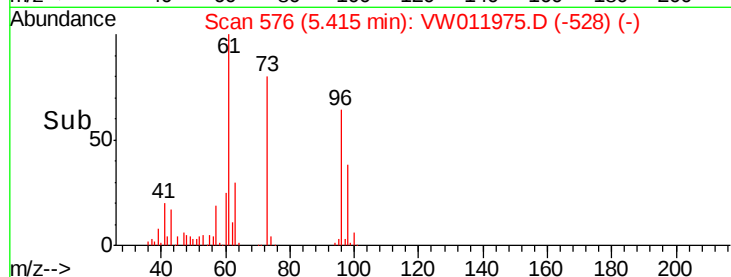
98 58.8 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 55.267 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion: 45 Resp: 503456

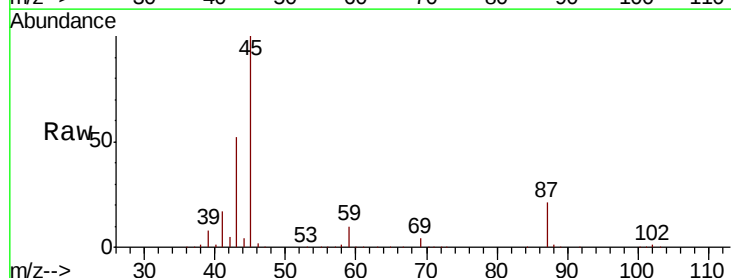
Ion Ratio Lower Upper

45 100

43 51.7 42.6 63.8

87 21.3 16.4 24.6

59 9.8 8.2 12.2

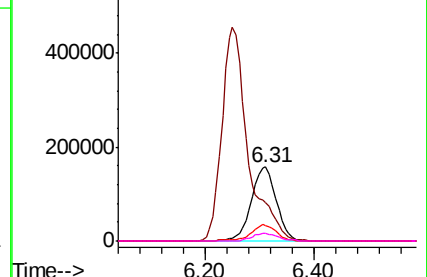
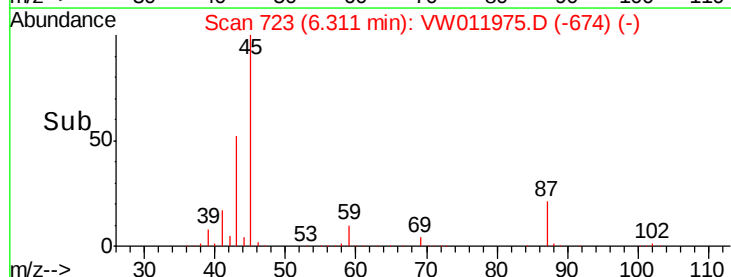


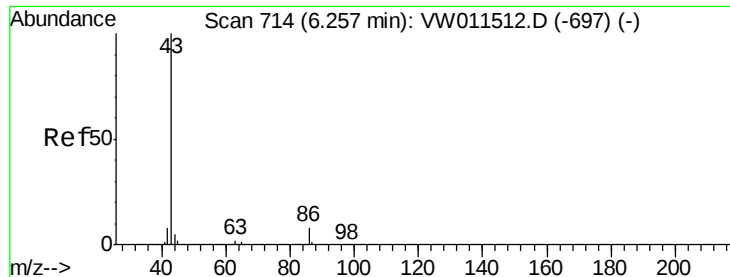
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 264.777 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

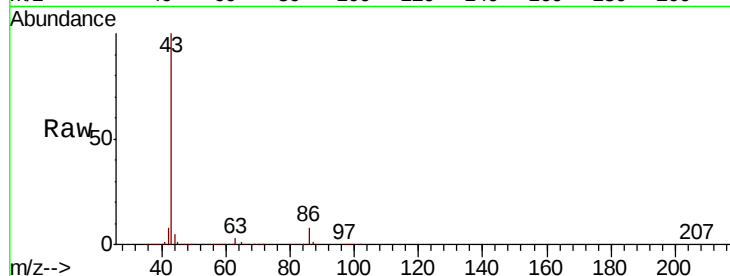
VSTDCCC050EC

Tgt Ion: 43 Resp: 1515599

Ion Ratio Lower Upper

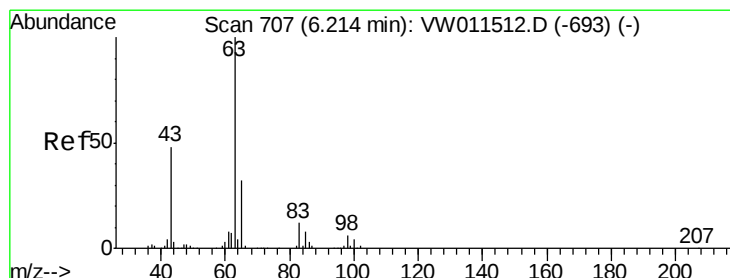
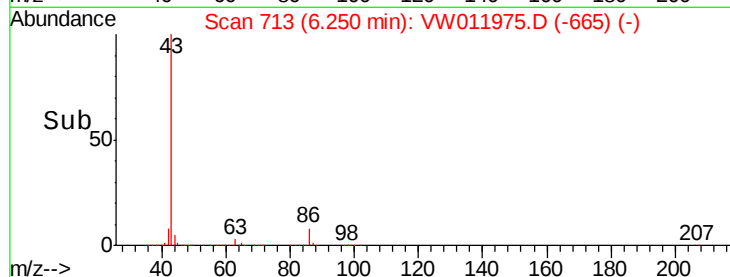
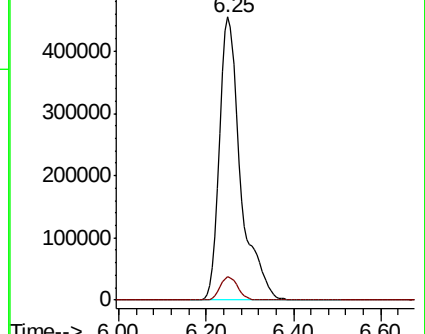
43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.336 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

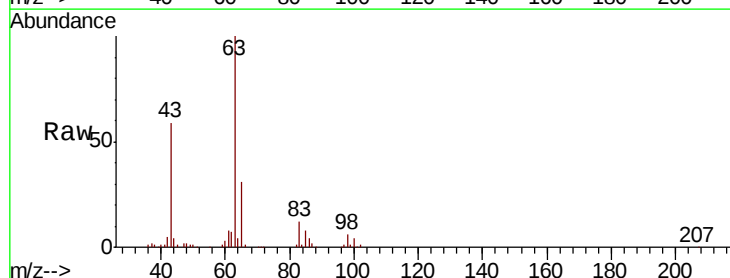
Tgt Ion: 63 Resp: 265093

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

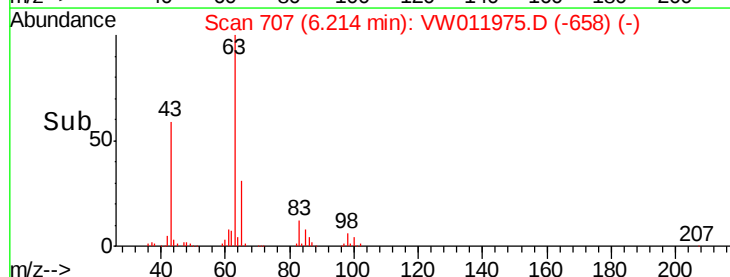
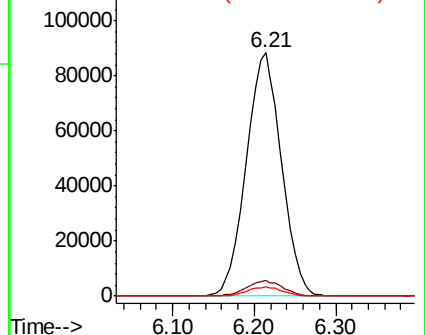
100 3.8 2.1 6.3

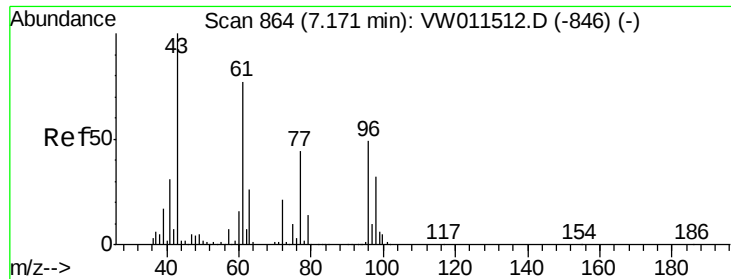


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 230.958 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

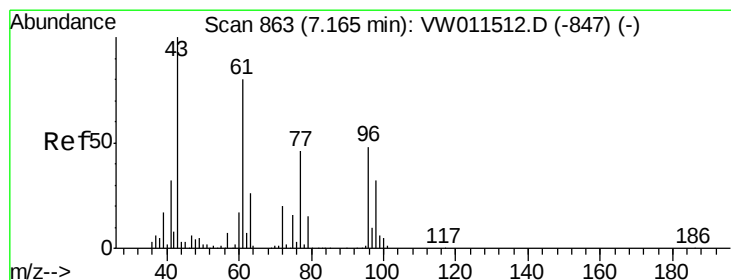
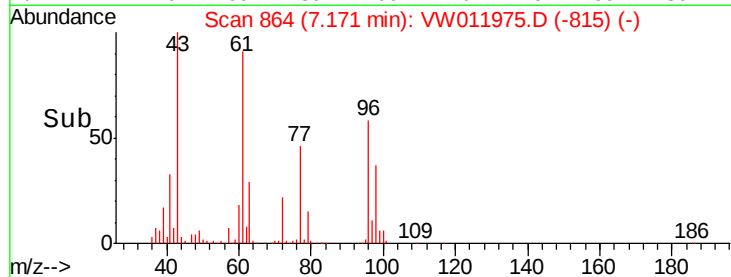
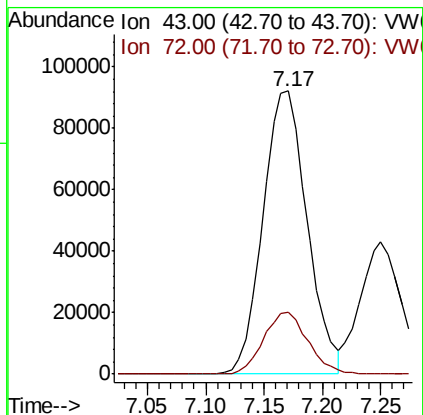
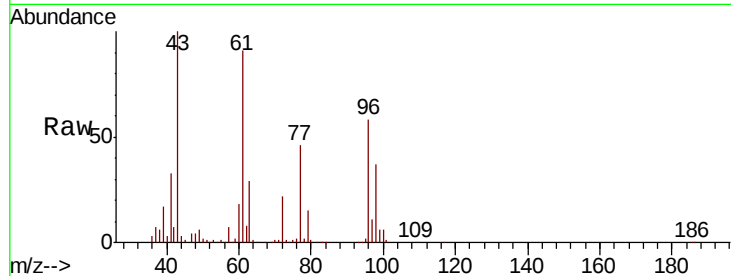
VSTDCCC050EC

Tgt Ion: 43 Resp: 240790

Ion Ratio Lower Upper

43 100

72 21.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 44.430 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011975.D

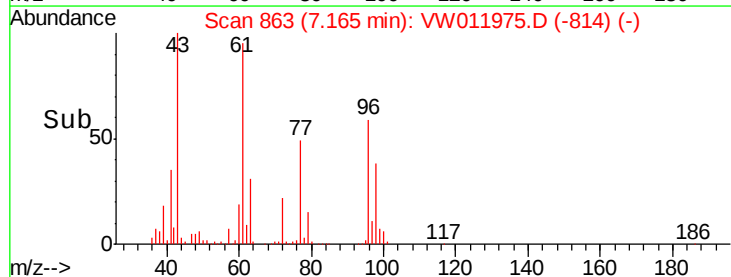
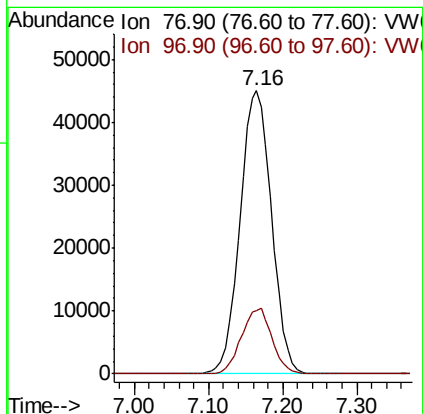
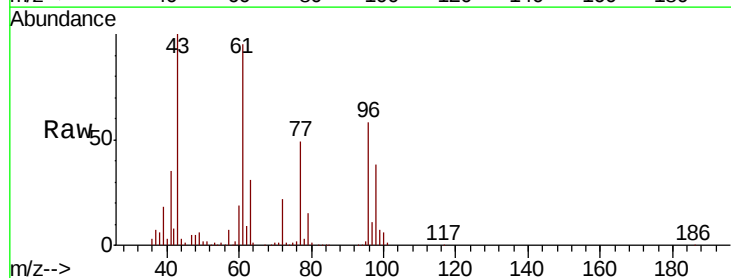
Acq: 16 Aug 2019 19:34

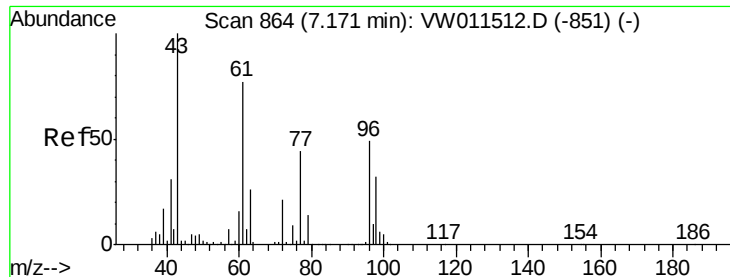
Tgt Ion: 77 Resp: 133308

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4



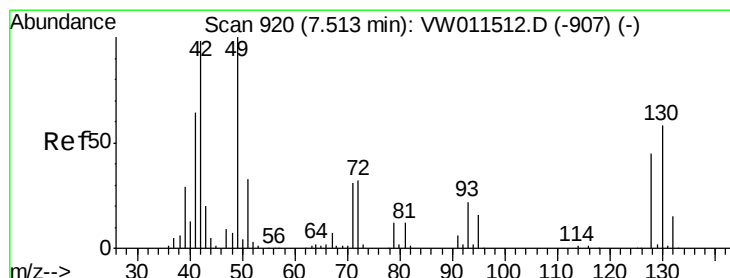
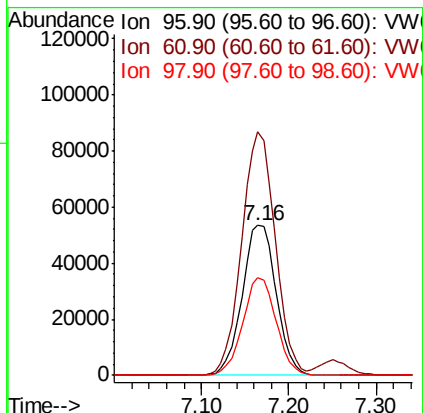
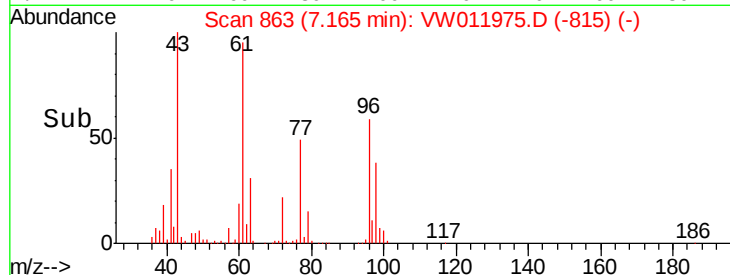
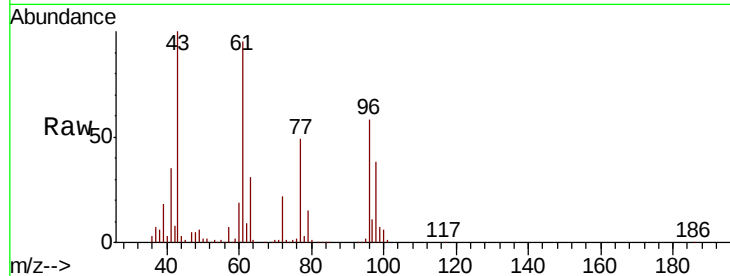


#27

cis-1,2-Dichloroethene
 Concen: 53.673 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

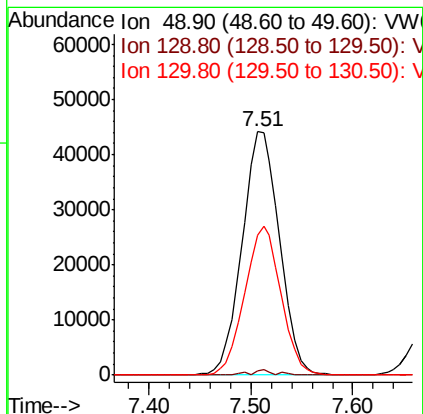
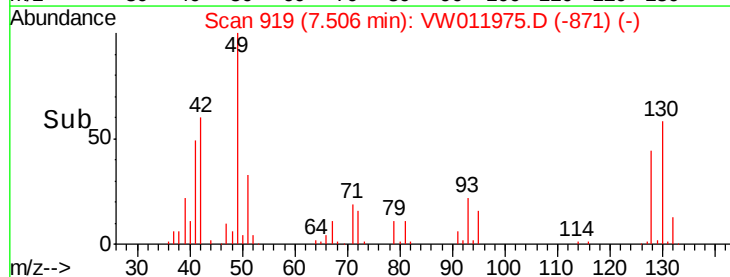
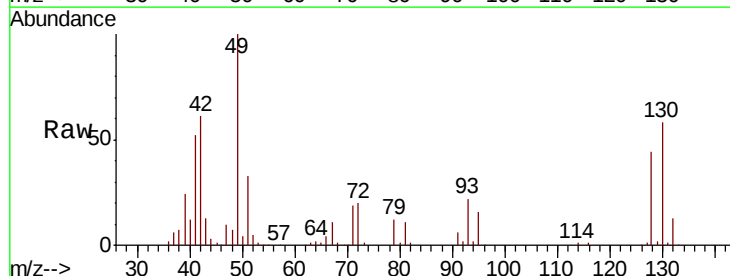
Tgt Ion: 96 Resp: 144678
 Ion Ratio Lower Upper
 96 100
 61 159.9 0.0 328.4
 98 63.8 0.0 128.8

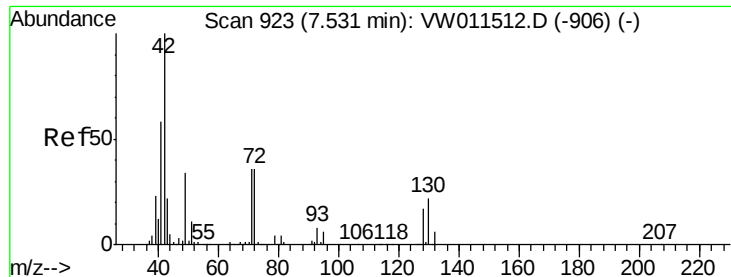


#28

Bromochloromethane
 Concen: 52.006 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 49 Resp: 112619
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.0#
 130 59.3 46.3 69.5

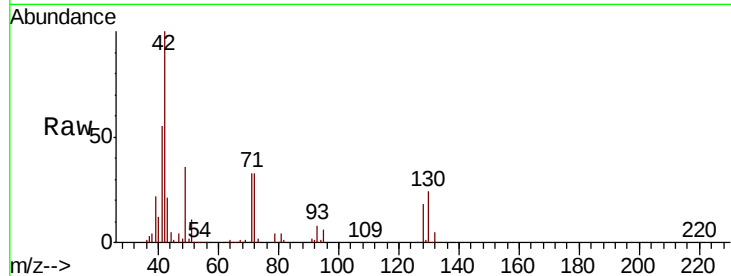




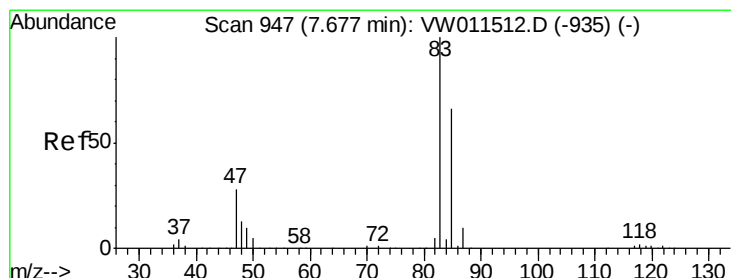
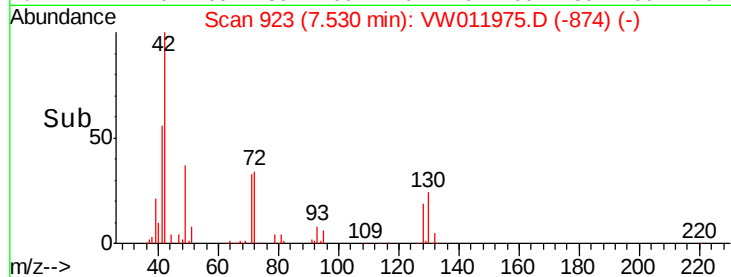
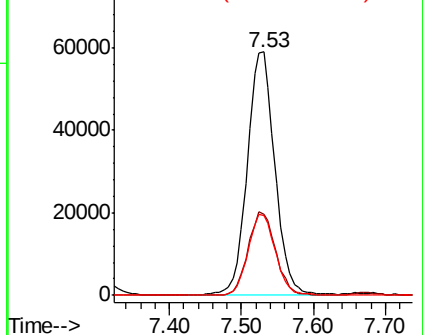
#29
Tetrahydrofuran
Concen: 264.607 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 157690
Ion Ratio Lower Upper
42 100
72 34.0 27.1 40.7
71 32.7 26.2 39.4

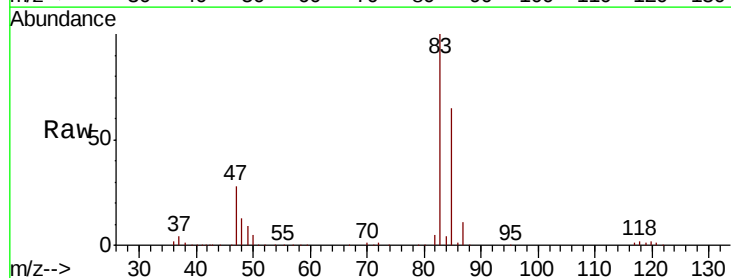


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

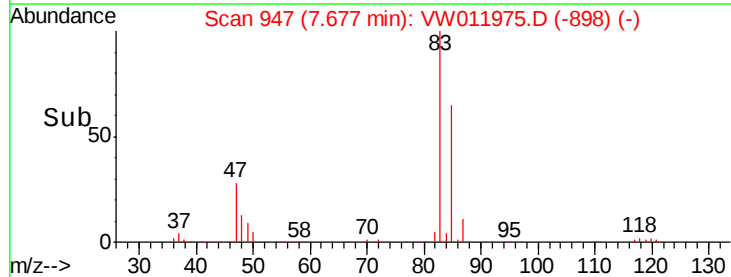
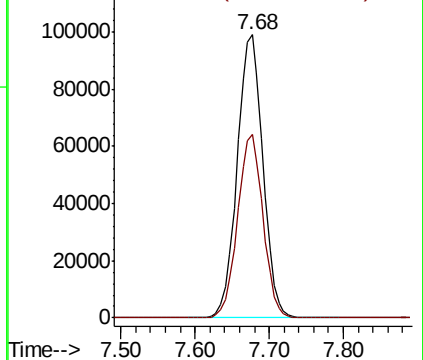


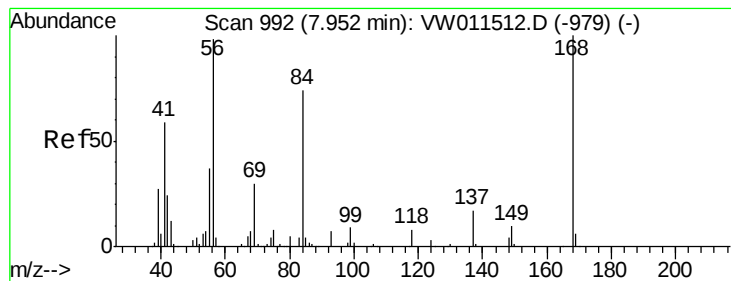
#30
Chloroform
Concen: 53.354 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 83 Resp: 240150
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7



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





#31

Cyclohexane

Concen: 49.066 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

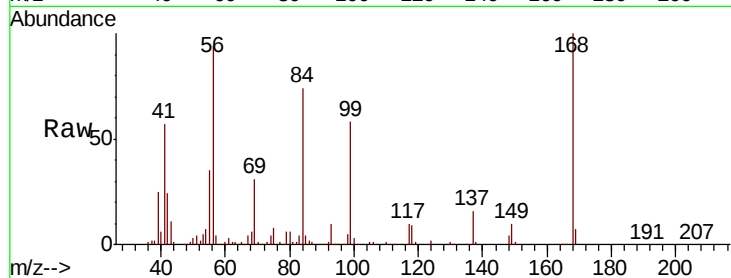
Tgt Ion: 56 Resp: 229788

Ion Ratio Lower Upper

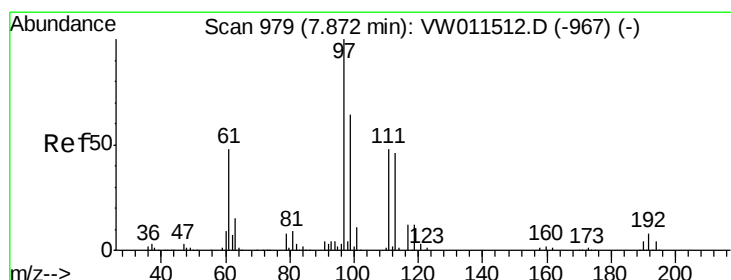
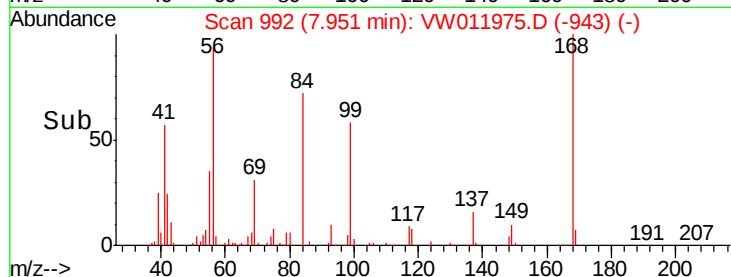
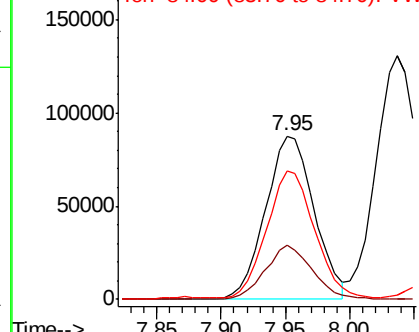
56 100

69 33.4 24.3 36.5

84 77.6 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 54.741 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

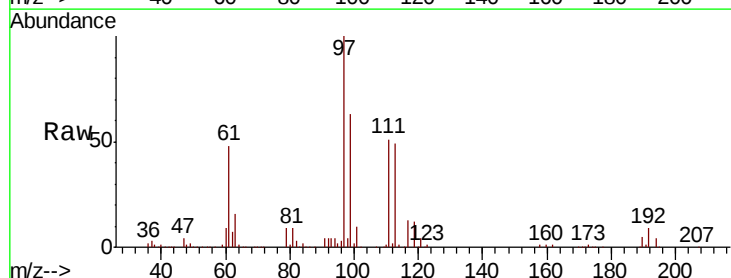
Tgt Ion: 97 Resp: 187644

Ion Ratio Lower Upper

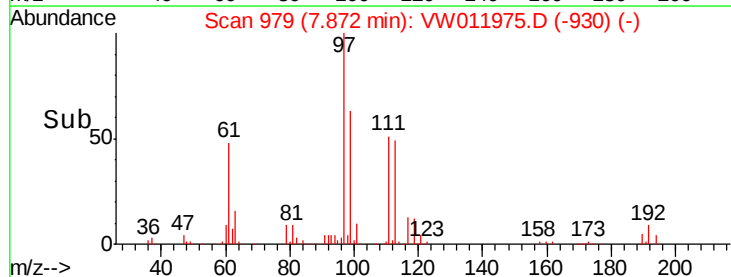
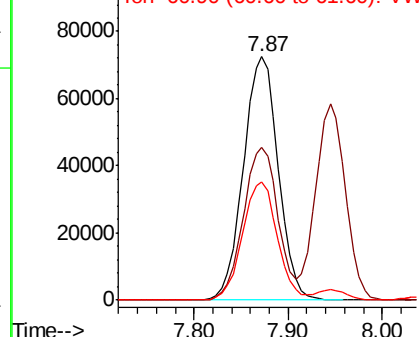
97 100

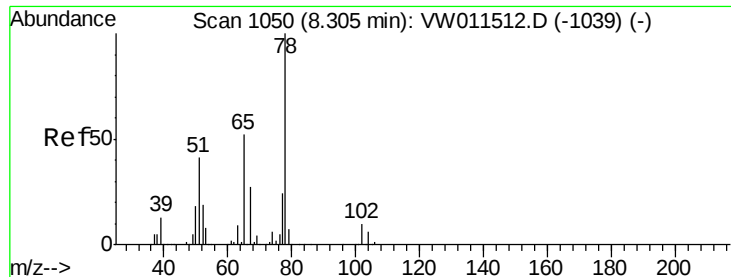
99 62.5 51.0 76.6

61 48.5 39.8 59.6



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

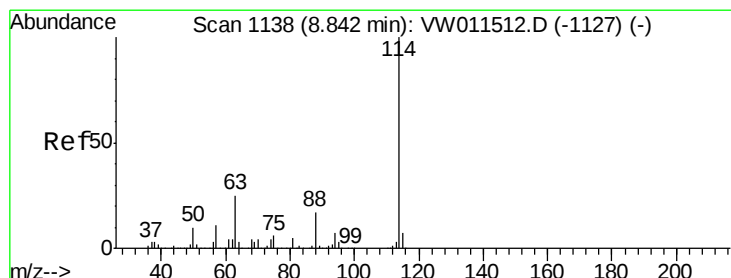
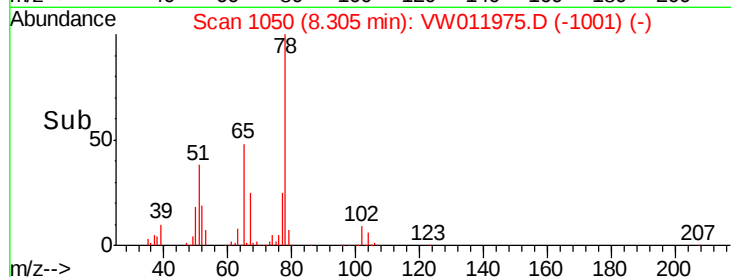
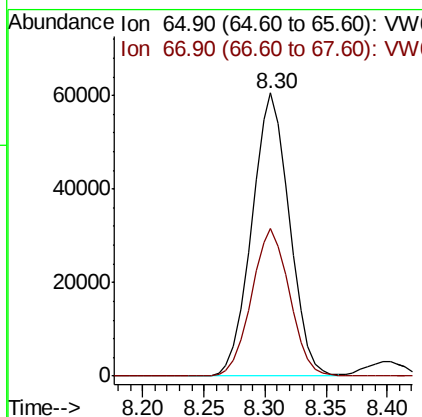
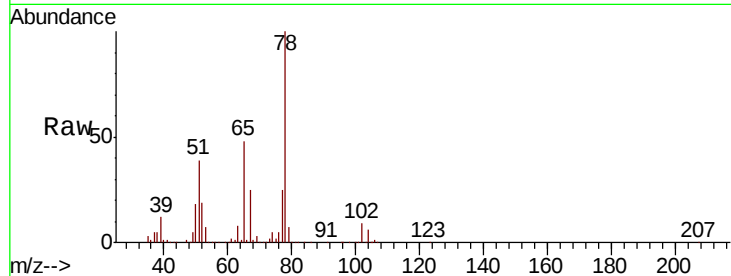




#33
 1,2-Dichloroethane-d4
 Concen: 51.568 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

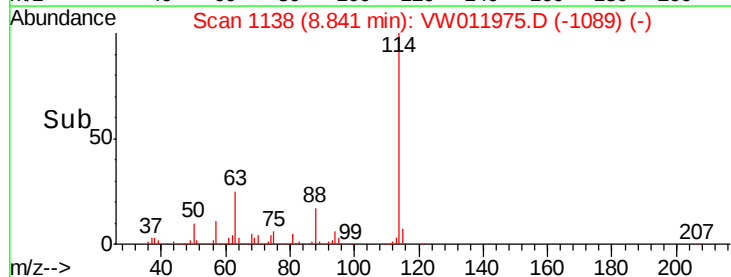
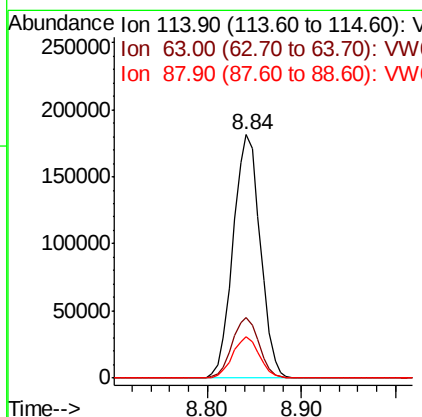
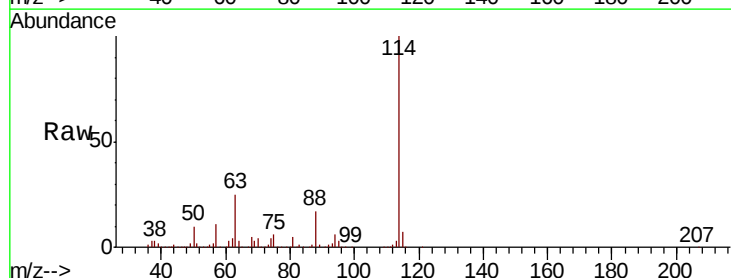
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

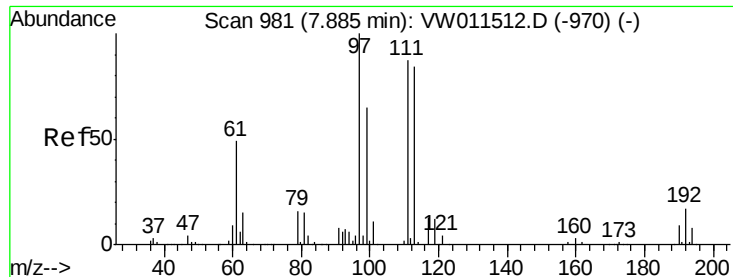
Tgt Ion: 65 Resp: 129165
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 114 Resp: 362292
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.8 0.0 33.8

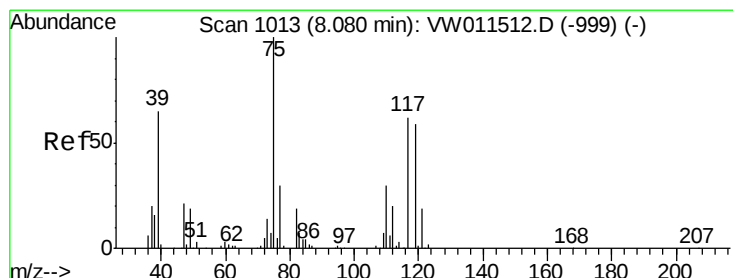
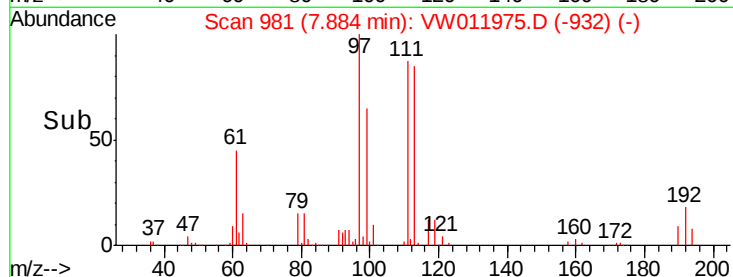
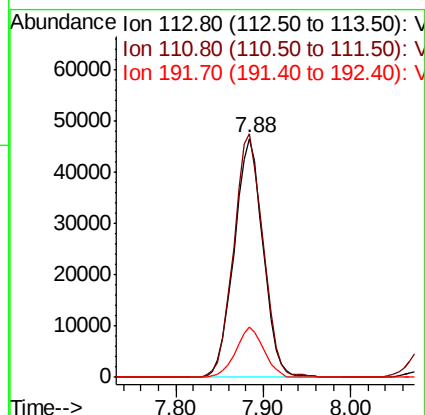
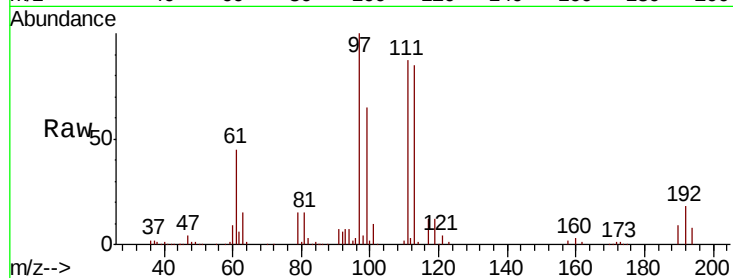




#35
 Dibromofluoromethane
 Concen: 52.603 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

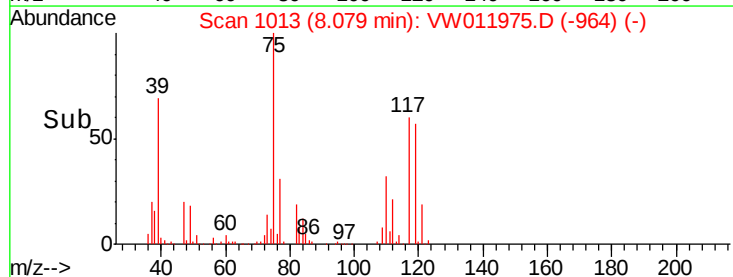
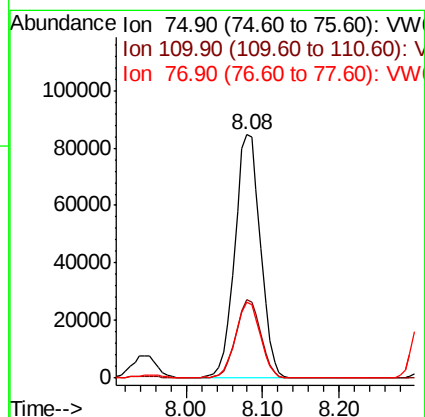
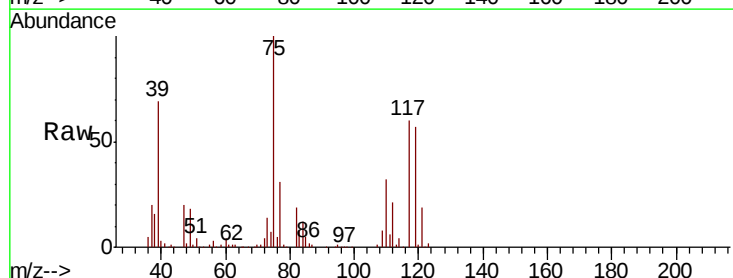
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

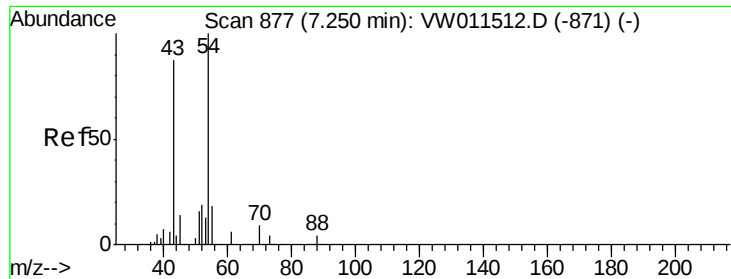
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 52.069 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.6	46.8
77	30.8	24.3	36.5

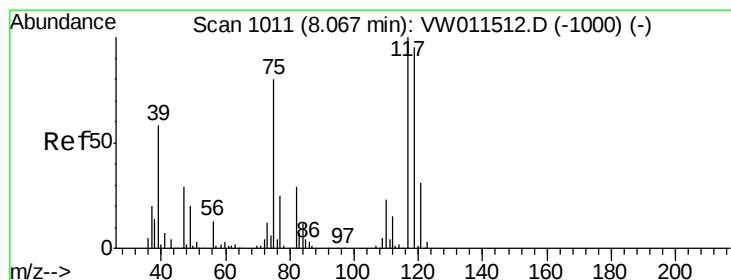
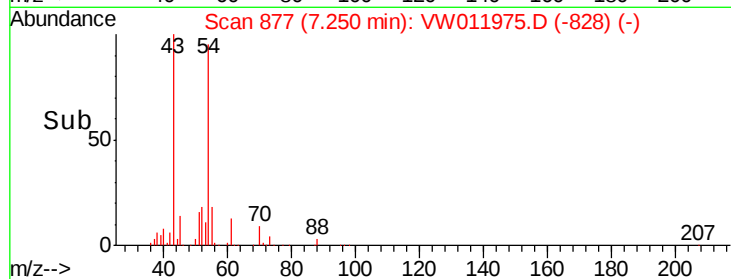
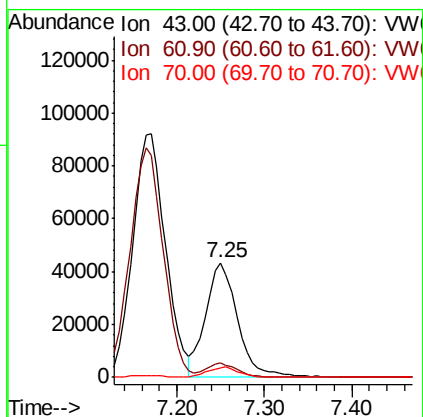
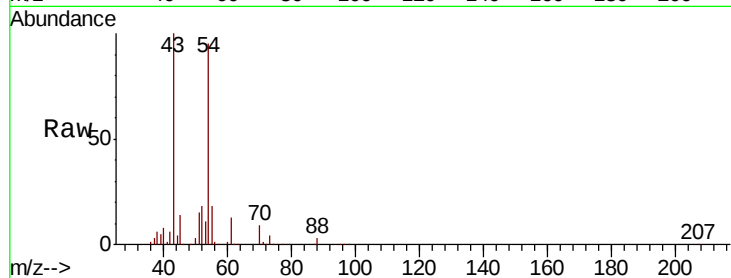




#37
Ethyl Acetate
Concen: 50.196 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

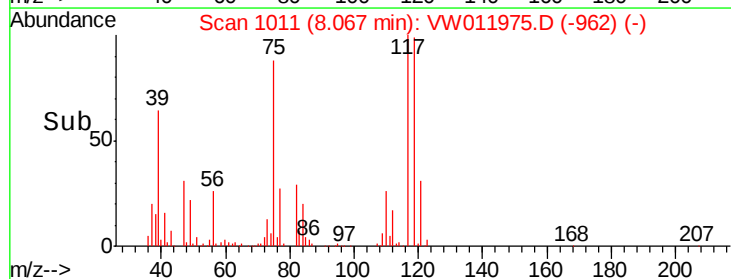
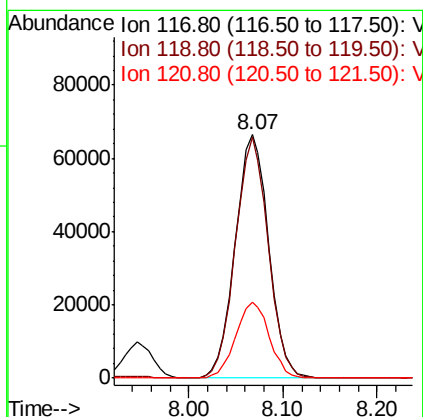
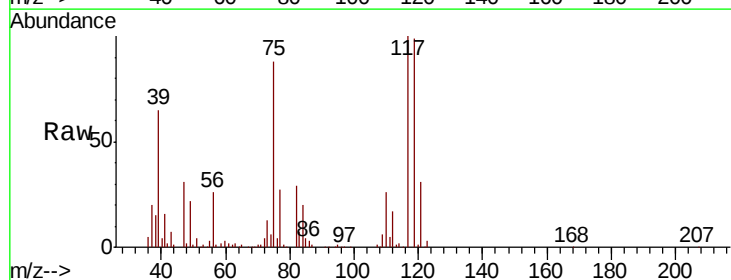
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

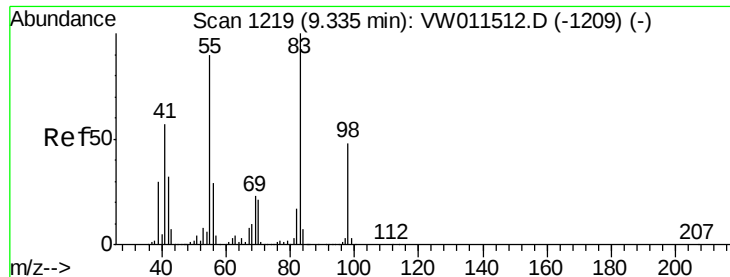
Tgt Ion: 43 Resp: 108792
Ion Ratio Lower Upper
43 100
61 12.0 8.8 13.2
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 51.035 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 117 Resp: 164586
Ion Ratio Lower Upper
117 100
119 99.1 75.8 113.6
121 31.4 24.7 37.1

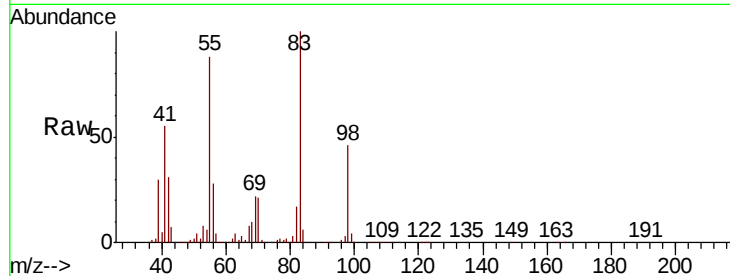




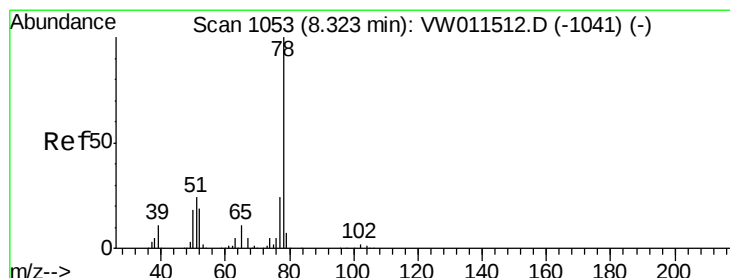
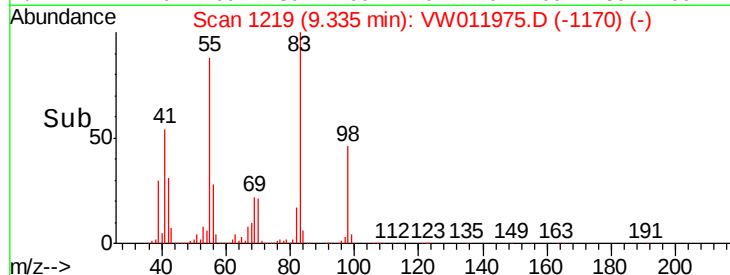
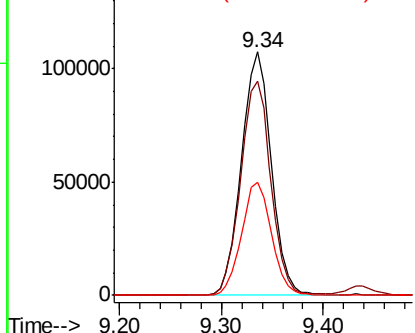
#39
Methylcyclohexane
Concen: 52.694 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 218581
Ion Ratio Lower Upper
83 100
55 87.9 72.1 108.1
98 46.4 38.6 57.8

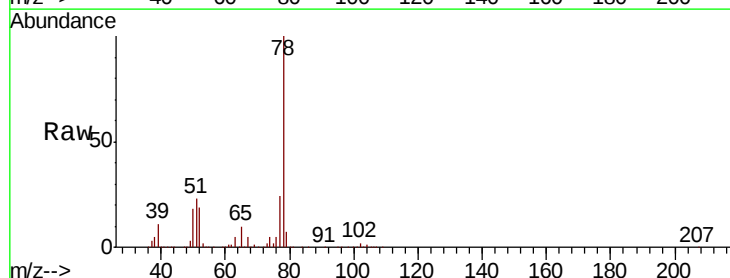


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

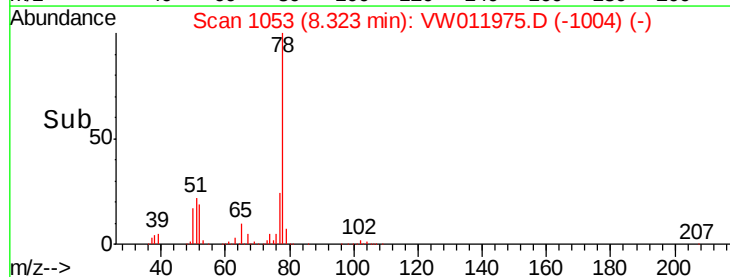
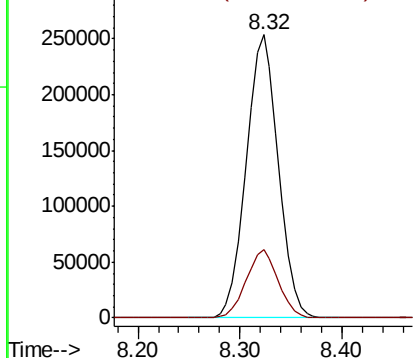


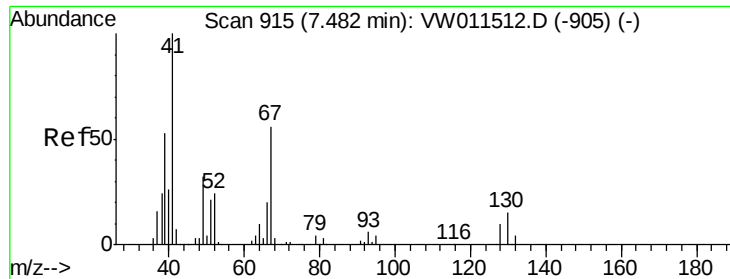
#40
Benzene
Concen: 52.530 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 78 Resp: 554302
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

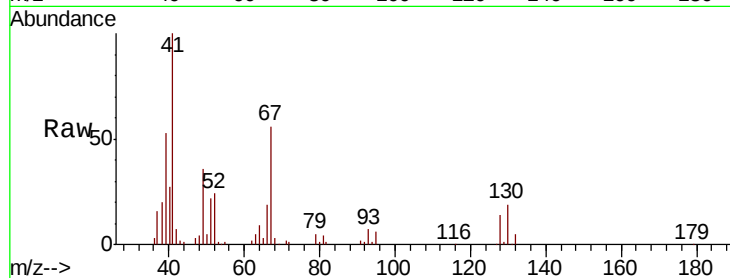




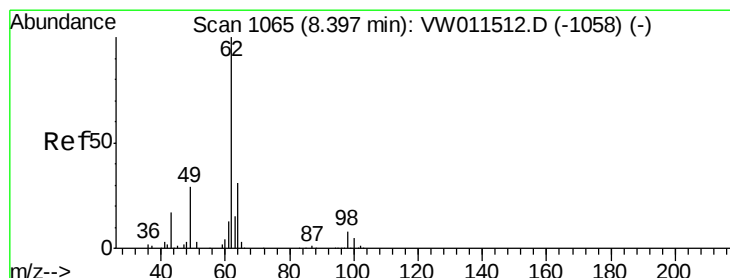
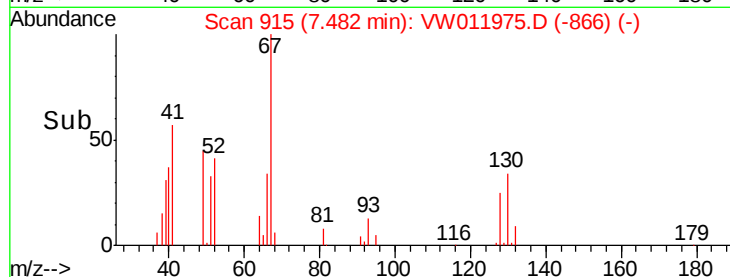
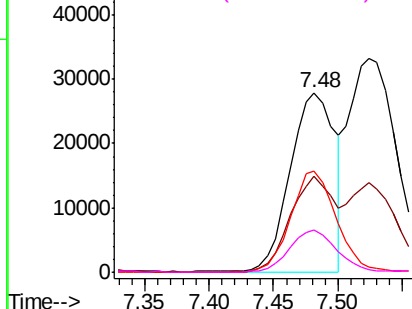
#41
Methacrylonitrile
Concen: 51.603 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	66856
Ion	Ratio	Lower	Upper
41	100		
39	52.1	43.0	64.4
67	58.1	47.5	71.3
52	25.3	21.0	31.6

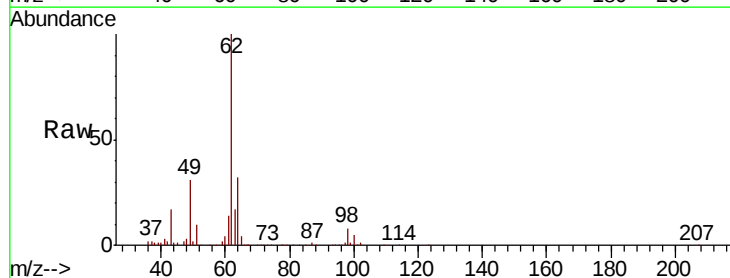


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

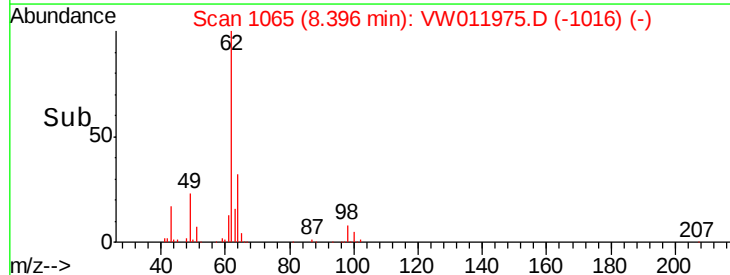
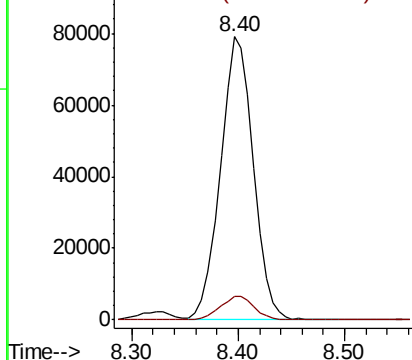


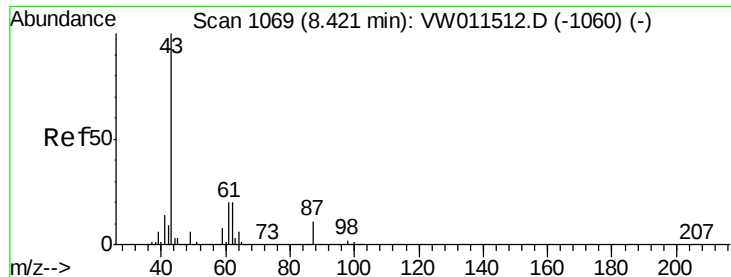
#42
1,2-Dichloroethane
Concen: 51.320 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:	62	Resp:	169546
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.109 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

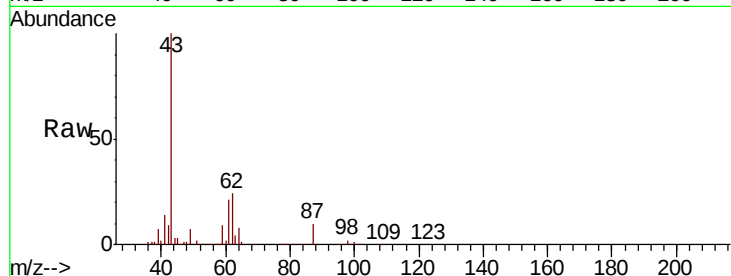
Tgt Ion: 43 Resp: 207705

Ion Ratio Lower Upper

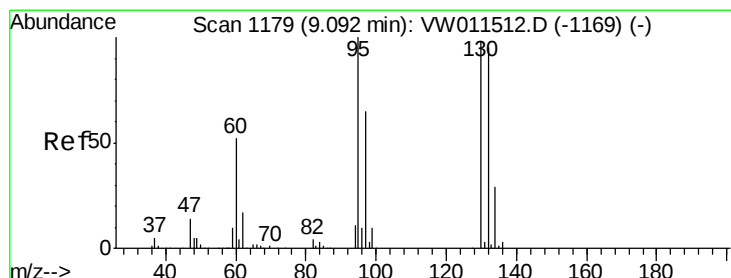
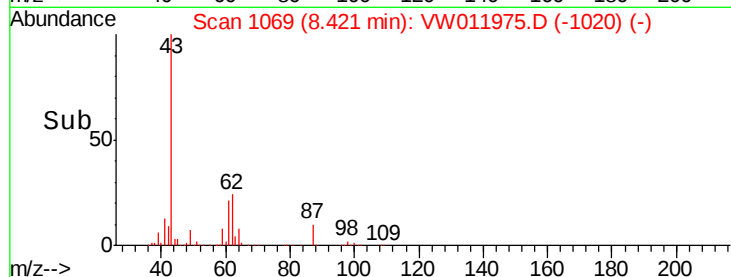
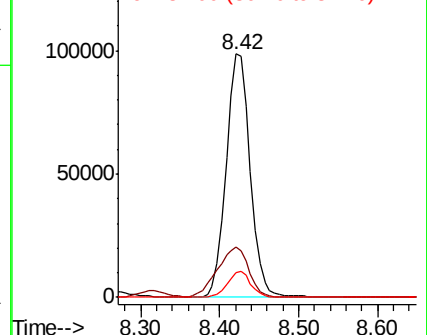
43 100

61 27.0 21.5 32.3

87 10.4 8.4 12.6



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: 52.801 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011975.D

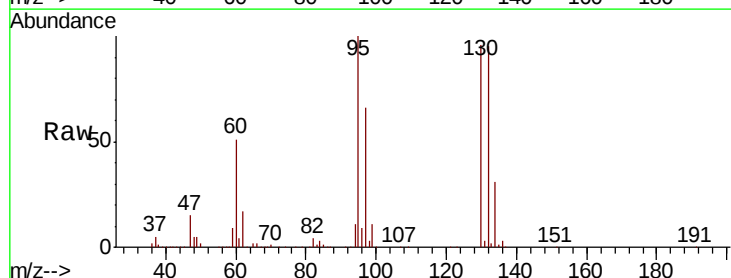
Acq: 16 Aug 2019 19:34

Tgt Ion: 130 Resp: 133913

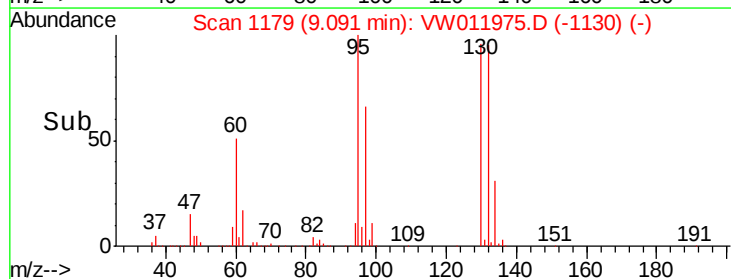
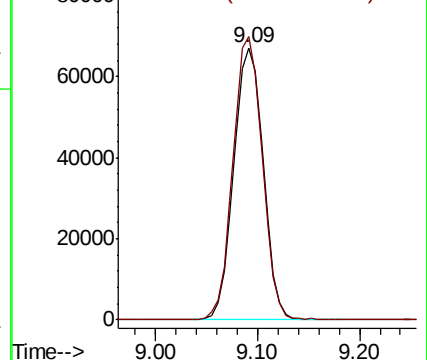
Ion Ratio Lower Upper

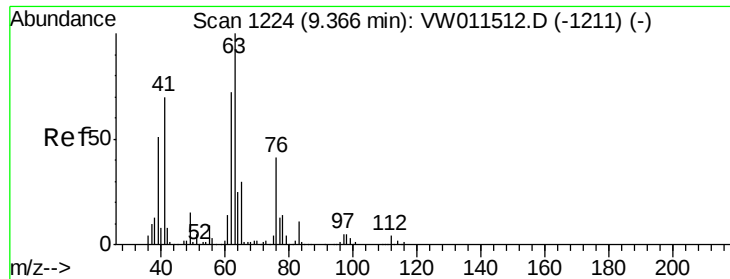
130 100

95 103.9 0.0 204.8



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

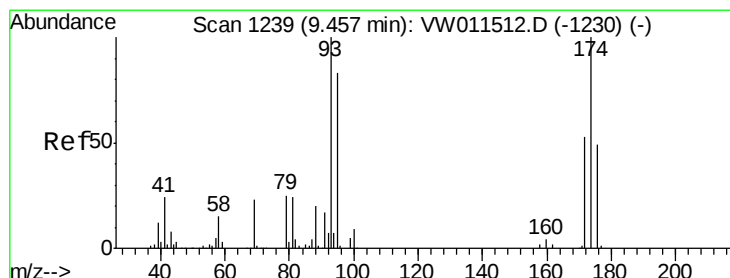
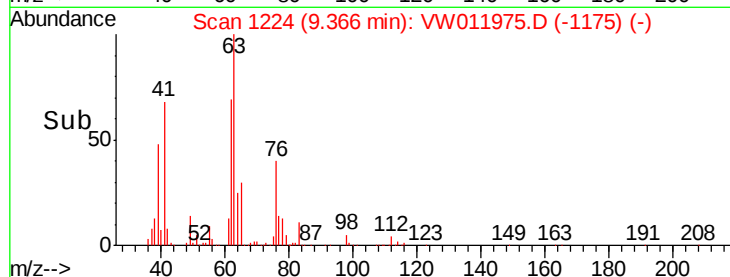
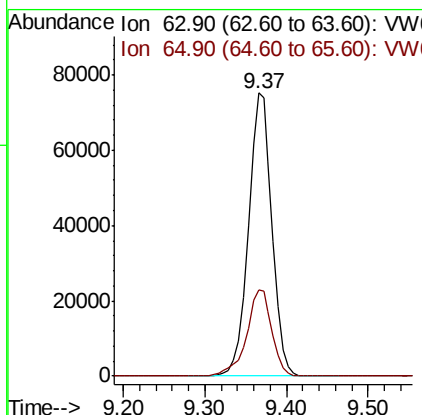
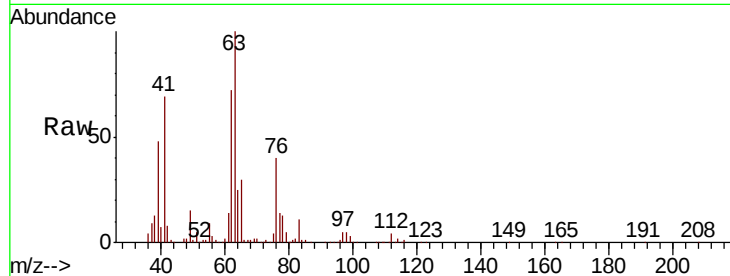




#45
 1,2-Dichloropropane
 Concen: 53.256 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

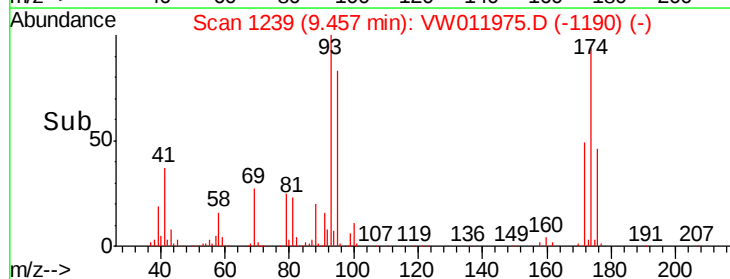
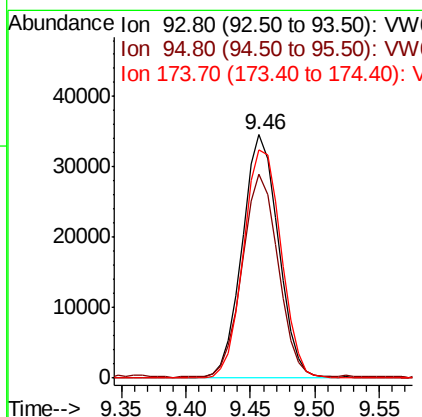
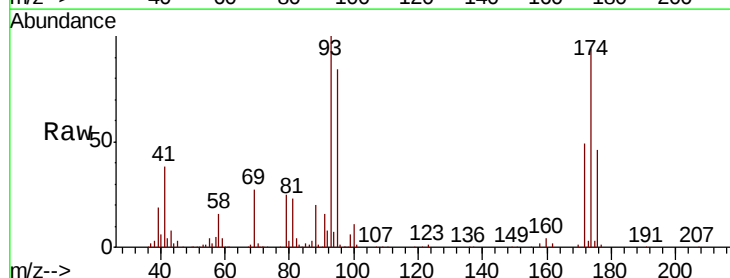
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

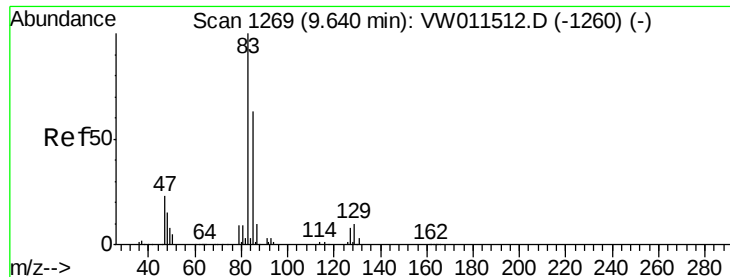
Tgt Ion: 63 Resp: 150362
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.2 36.4



#46
 Dibromomethane
 Concen: 51.859 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 93 Resp: 66828
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.2
 174 98.3 78.2 117.4





#47

Bromodichloromethane

Concen: 53.065 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

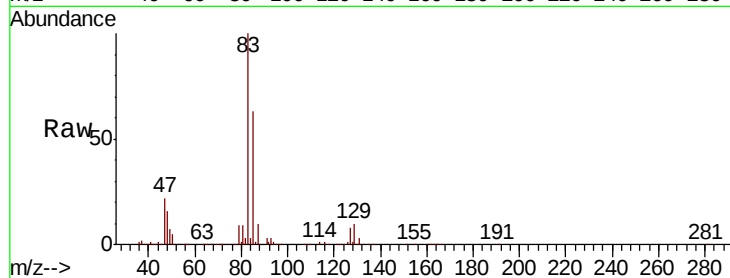
Tgt Ion: 83 Resp: 179376

Ion Ratio Lower Upper

83 100

85 63.0 50.5 75.7

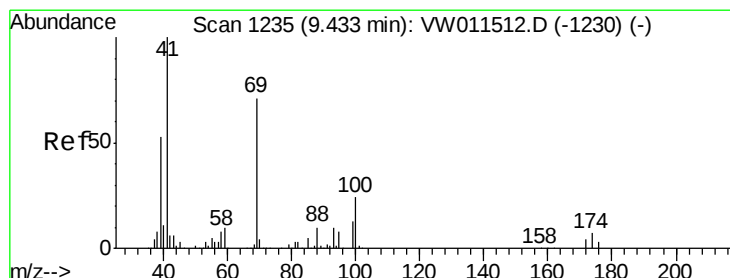
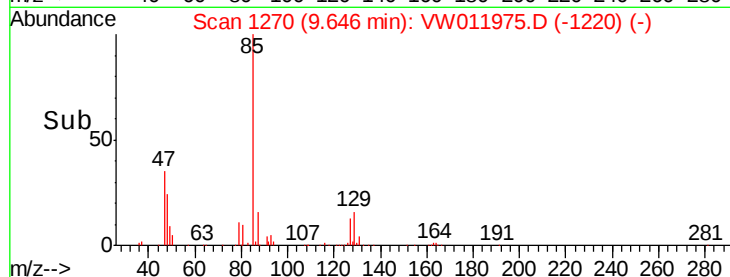
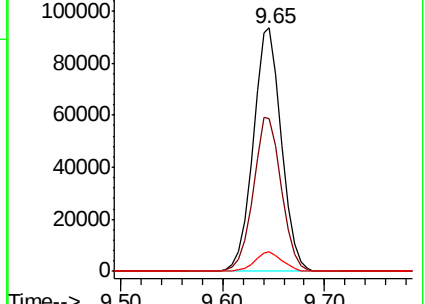
127 8.0 6.4 9.6



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: 53.528 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

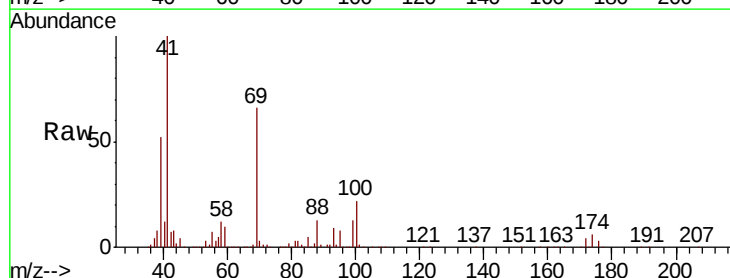
Tgt Ion: 41 Resp: 102489

Ion Ratio Lower Upper

41 100

69 71.4 57.1 85.7

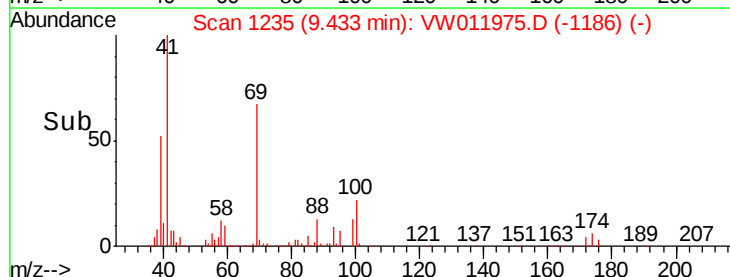
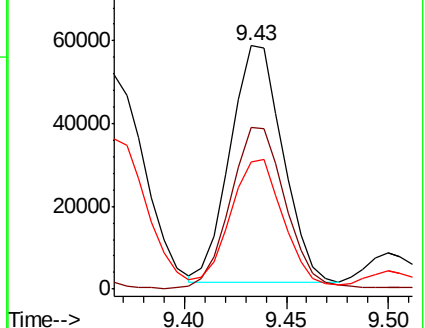
39 51.8 45.4 68.2

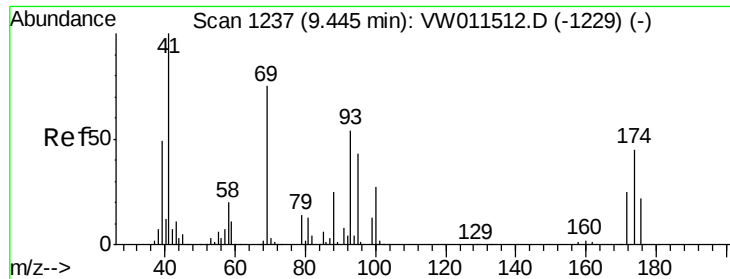


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

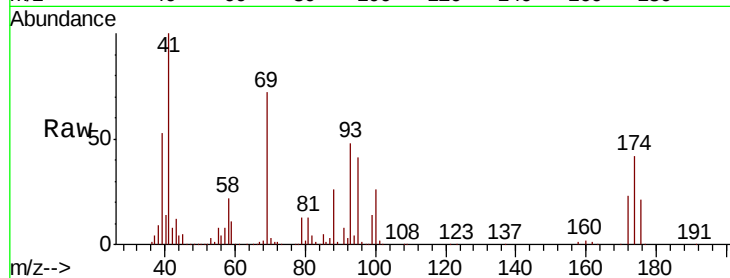




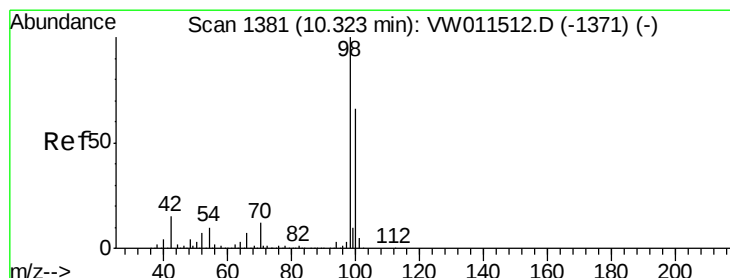
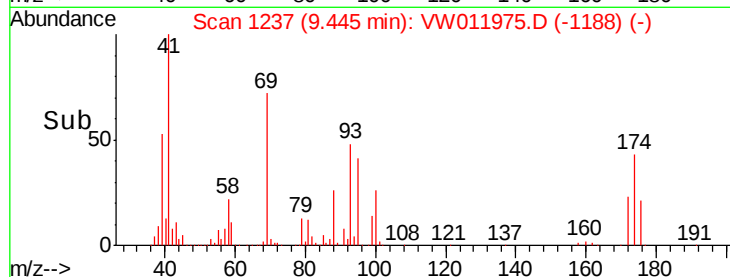
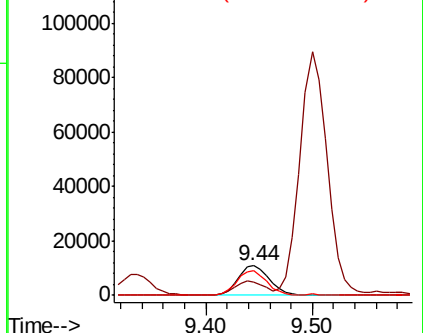
#49
 1,4-Dioxane
 Concen: 1213.907 ug/l
 RT: 9.44 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 22650
 Ion Ratio Lower Upper
 88 100
 43 42.7 34.0 51.0
 58 81.3 69.7 104.5

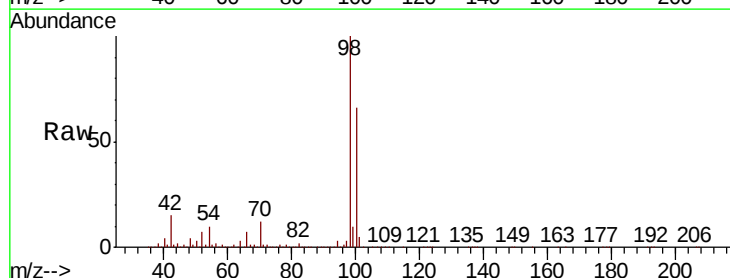


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

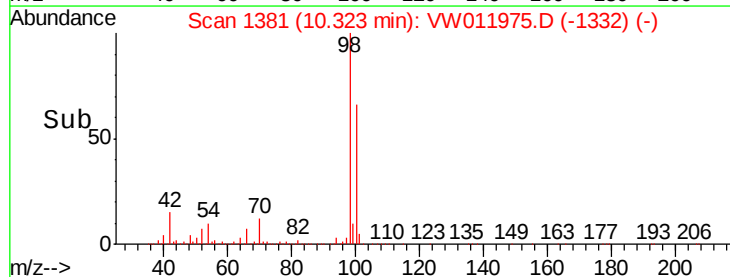
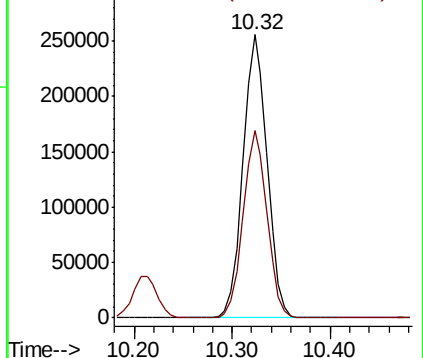


#50
 Toluene-d8
 Concen: 52.306 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 98 Resp: 435275
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.7 79.1



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

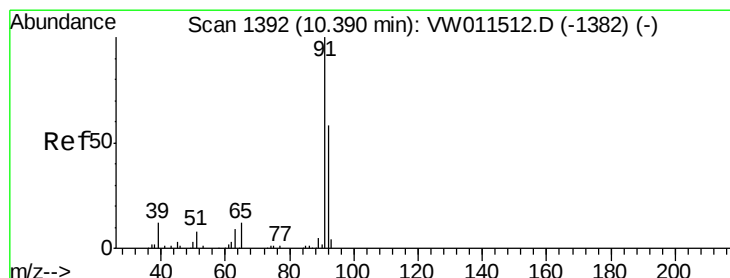
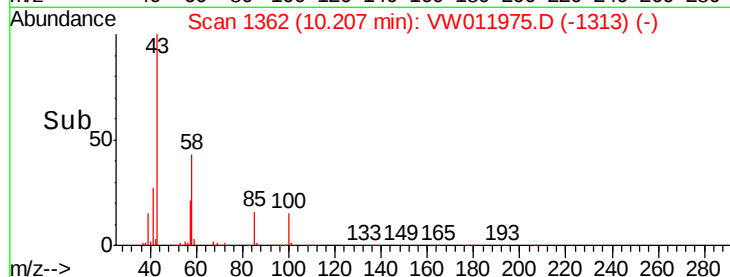
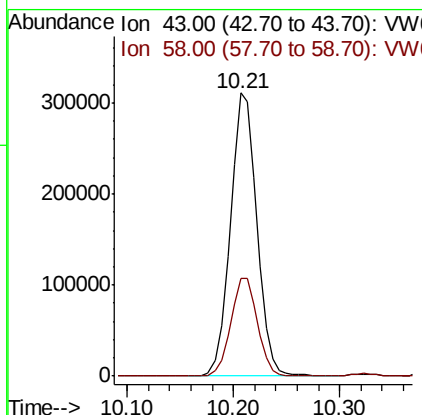
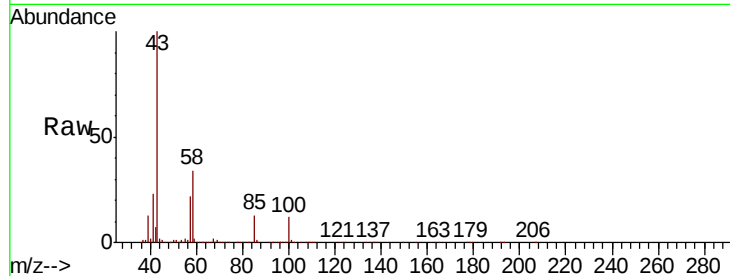




#51
 4-Methyl-2-Pentanone
 Concen: 260.790 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

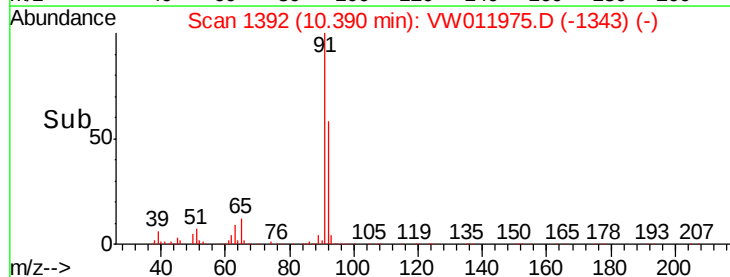
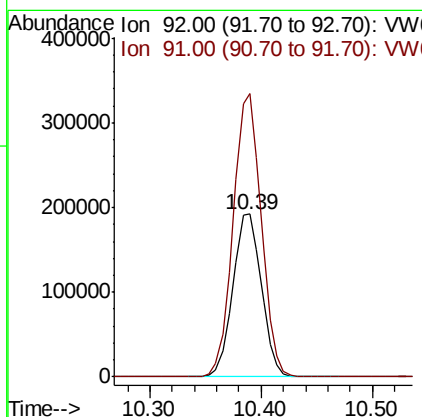
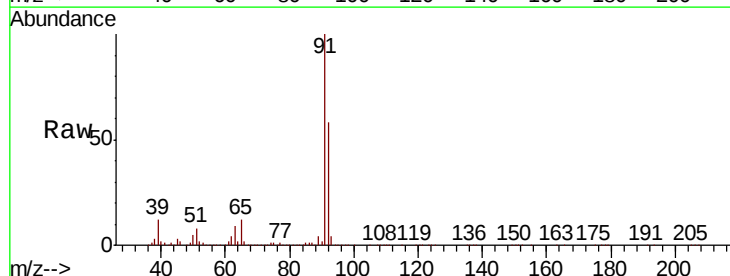
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

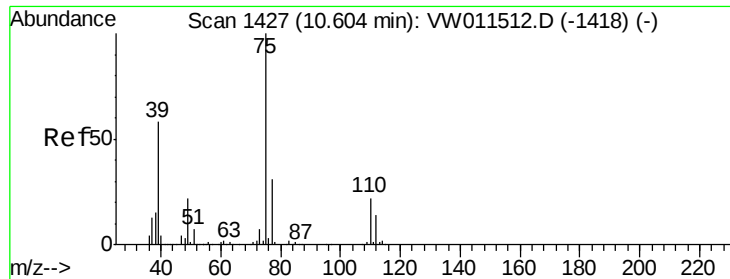
Tgt Ion: 43 Resp: 540691
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 53.401 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 92 Resp: 340292
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.370 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

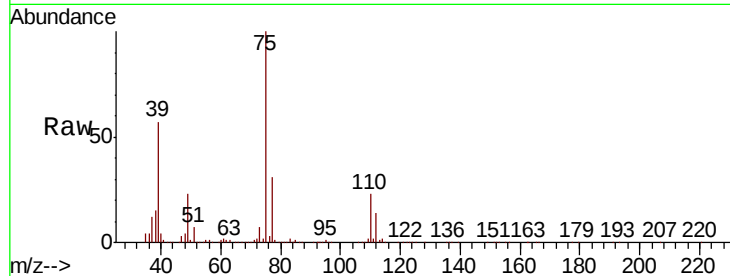
VSTDCCC050EC

Tgt Ion: 75 Resp: 184924

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

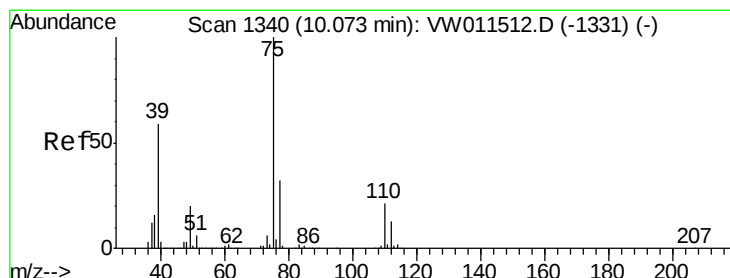
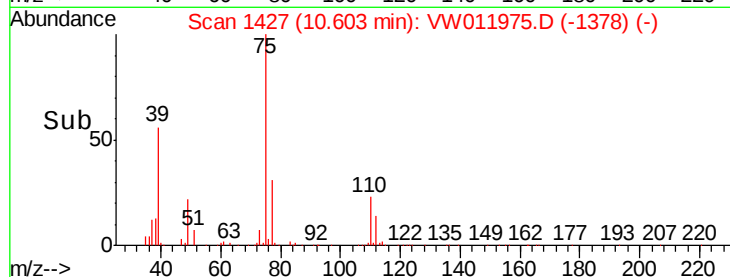
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 52.951 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

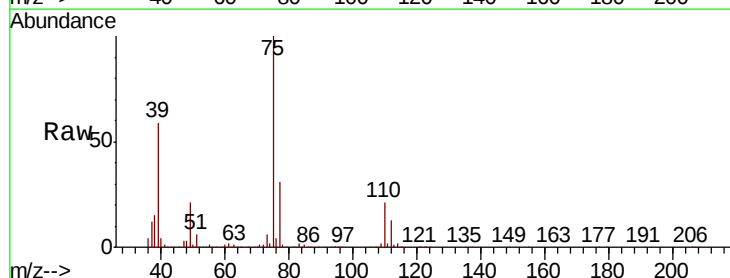
Tgt Ion: 75 Resp: 222312

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 58.6 47.0 70.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

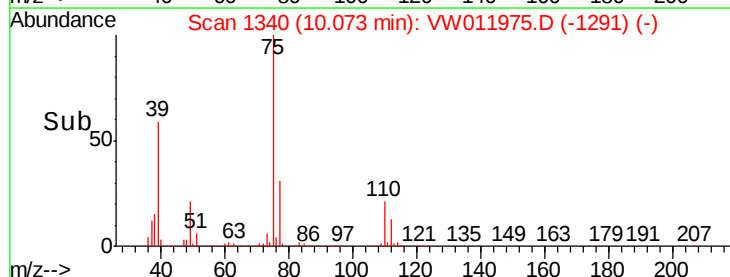
150000

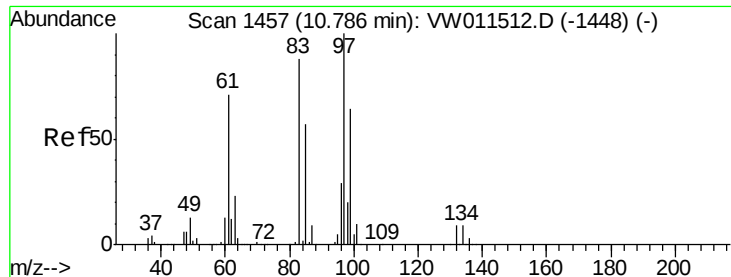
100000

50000

0

Time--> 10.00 10.10

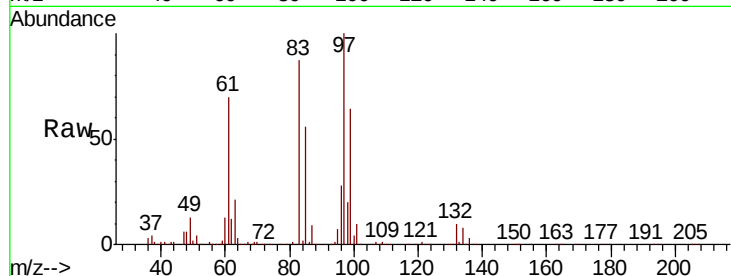




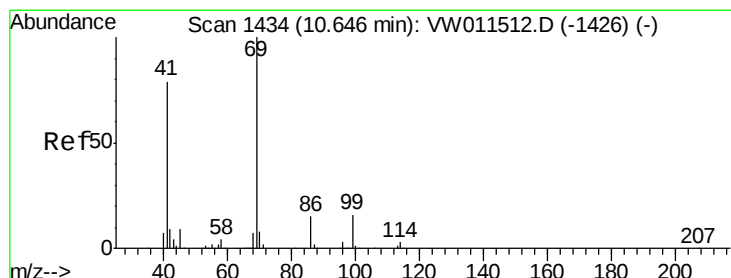
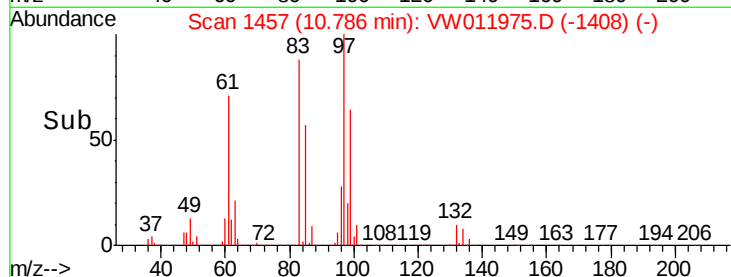
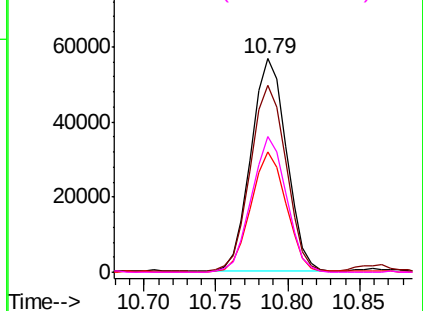
#55
 1,1,2-Trichloroethane
 Concen: 53.062 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	97019
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.5	105.7
85	56.6	45.8	68.6
99	64.0	51.0	76.4

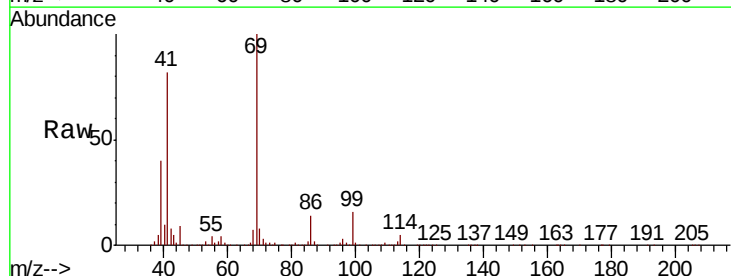


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

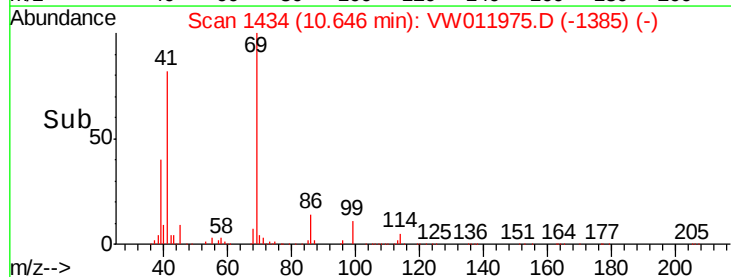
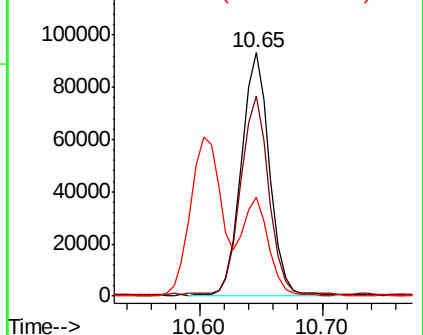


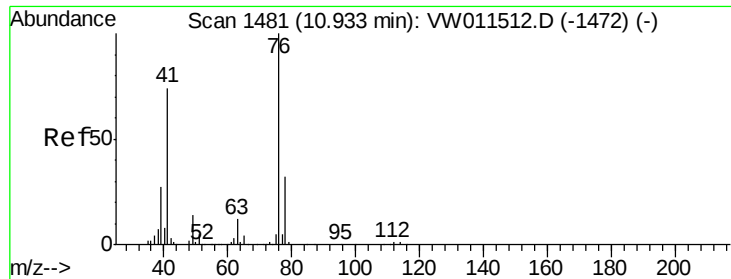
#56
 Ethyl methacrylate
 Concen: 54.755 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion:	69	Resp:	146498
Ion	Ratio	Lower	Upper
69	100		
41	83.7	66.6	99.8
39	37.4	30.3	45.5



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

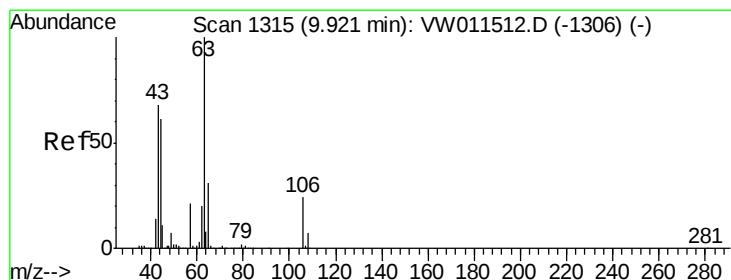
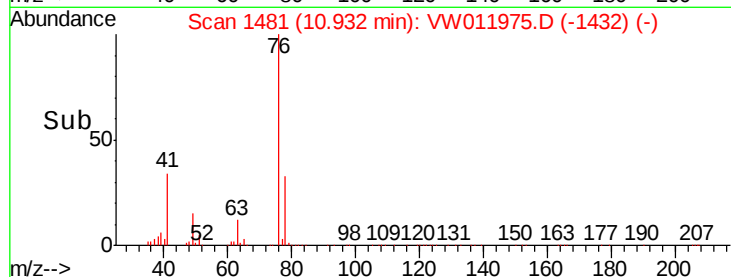
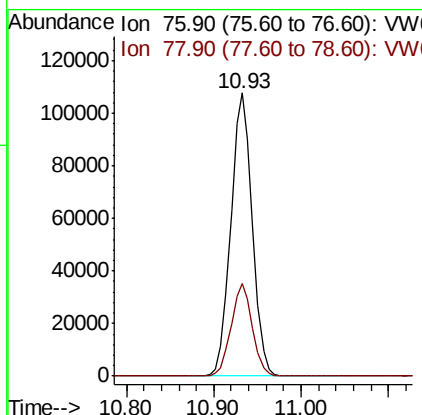
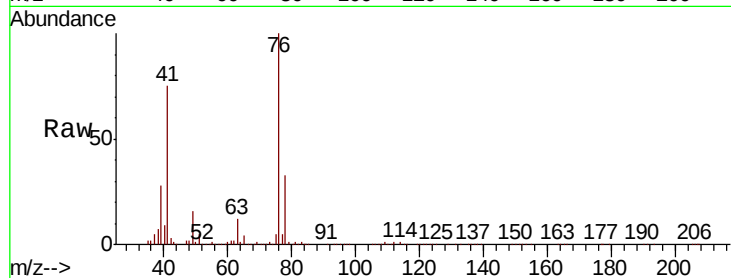




#57
 1,3-Dichloropropane
 Concen: 53.068 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

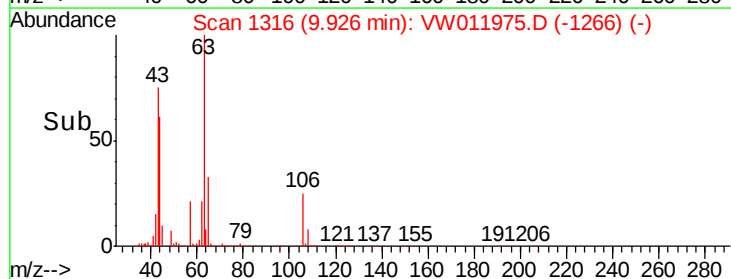
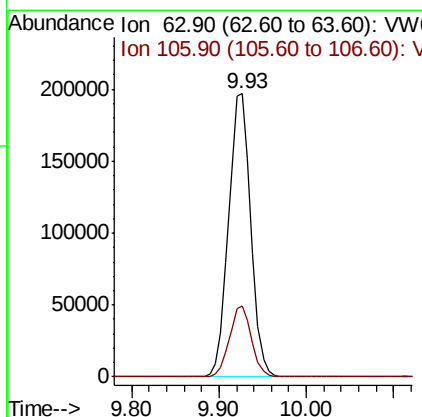
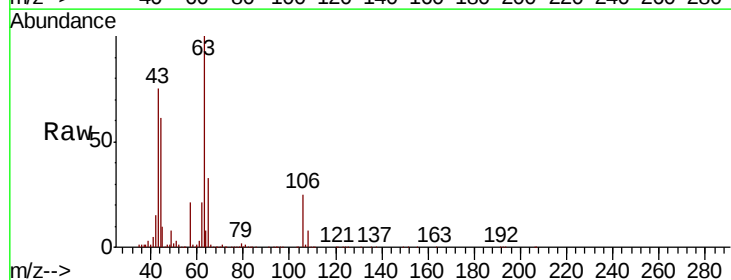
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

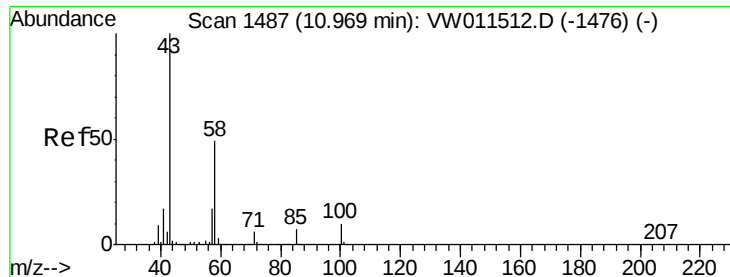
Tgt Ion: 76 Resp: 183571
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.879 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 63 Resp: 347285
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

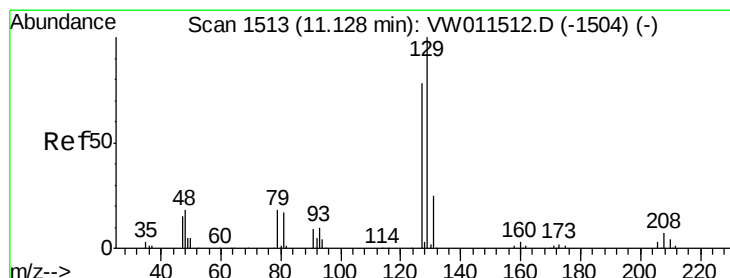
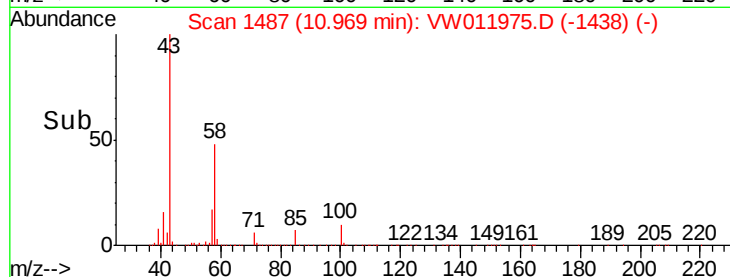
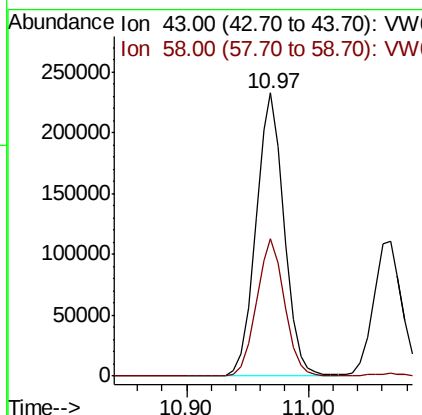
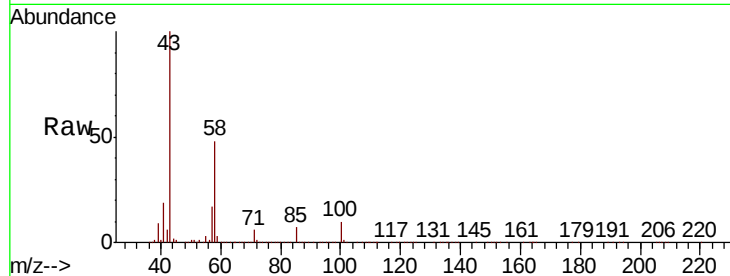




#59
2-Hexanone
Concen: 253.661 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

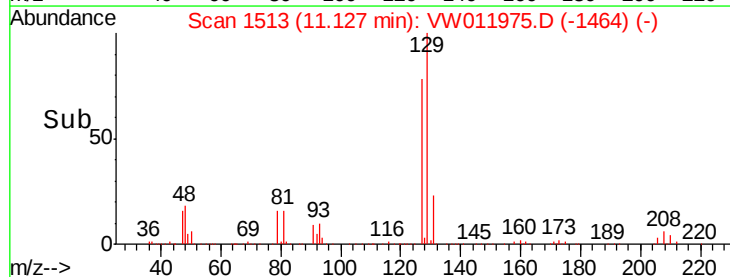
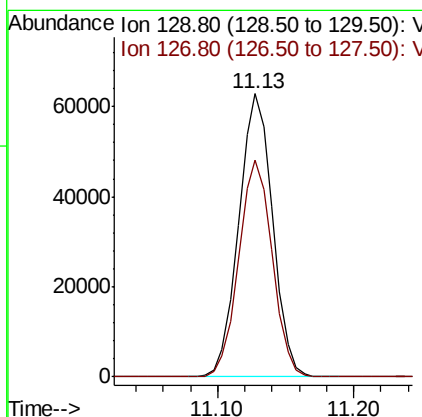
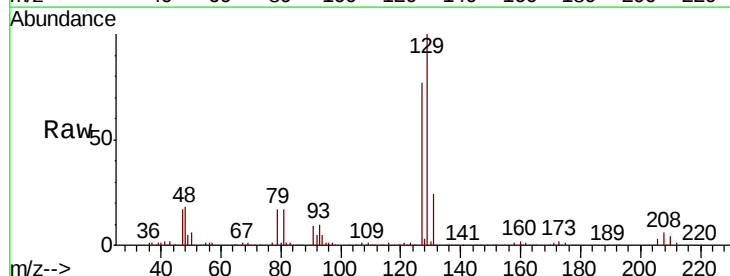
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

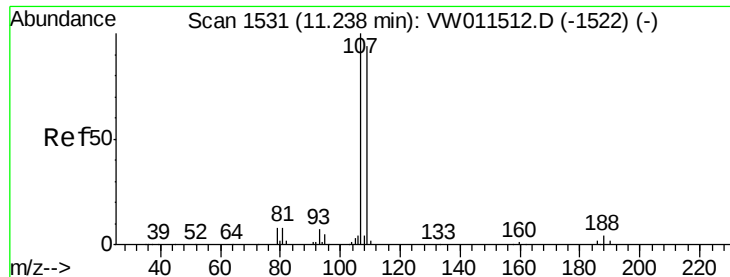
Tgt Ion: 43 Resp: 371327
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9



#60
Dibromochloromethane
Concen: 53.684 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 129 Resp: 108955
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7

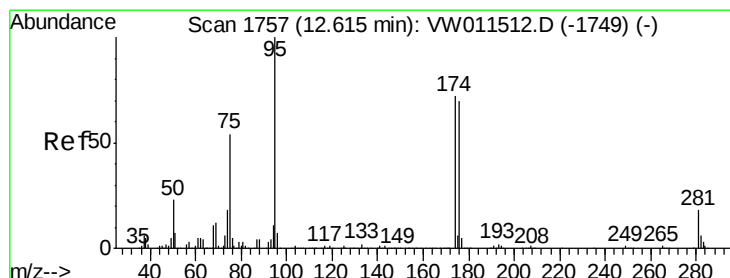
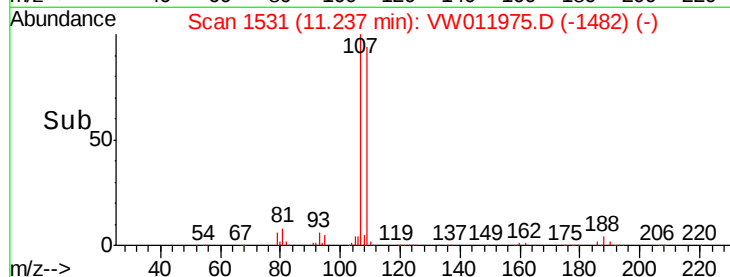
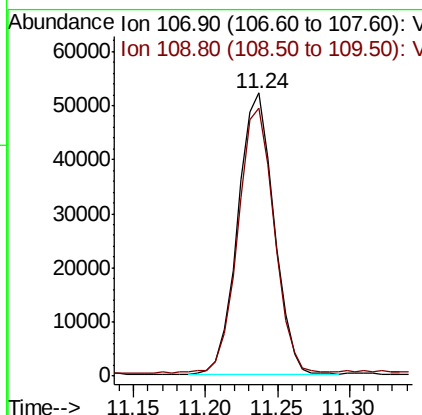
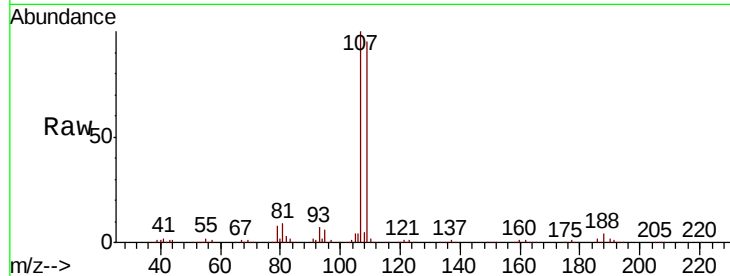




#61
 1,2-Dibromoethane
 Concen: 52.303 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

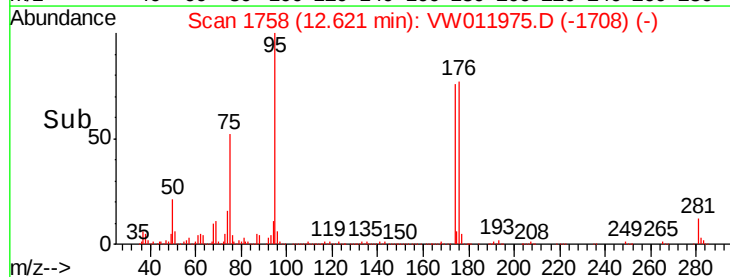
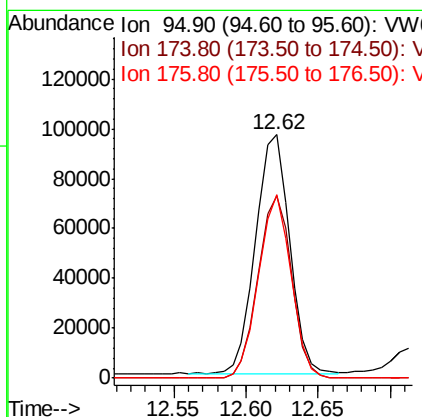
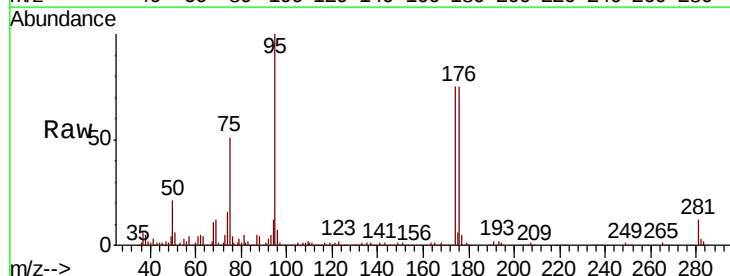
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

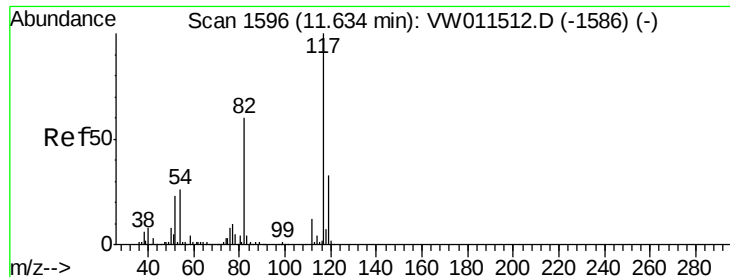
Tgt Ion: 107 Resp: 90498
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.492 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 95 Resp: 158704
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 150.2
 176 72.7 0.0 144.4

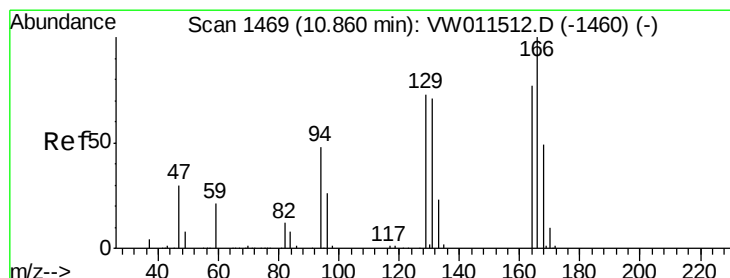
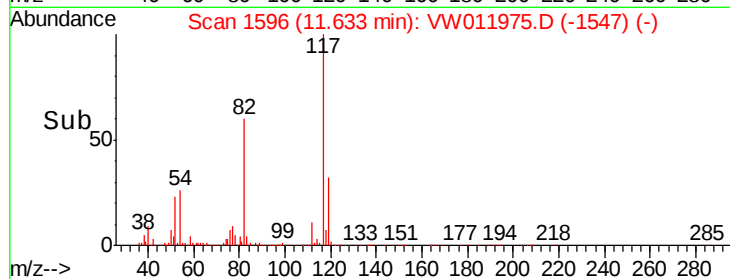
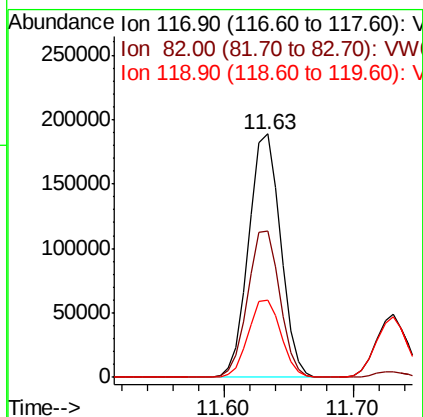
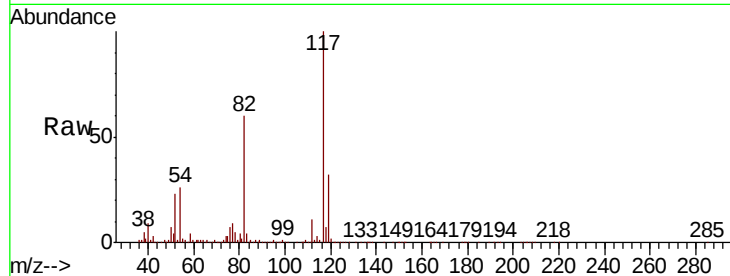




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

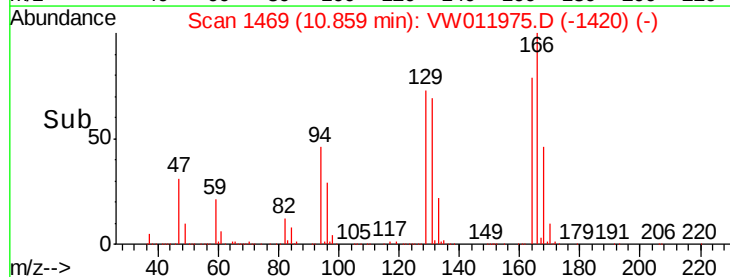
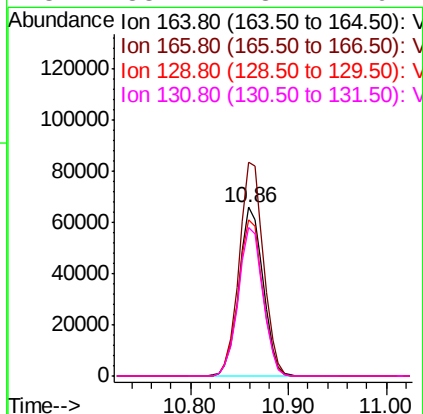
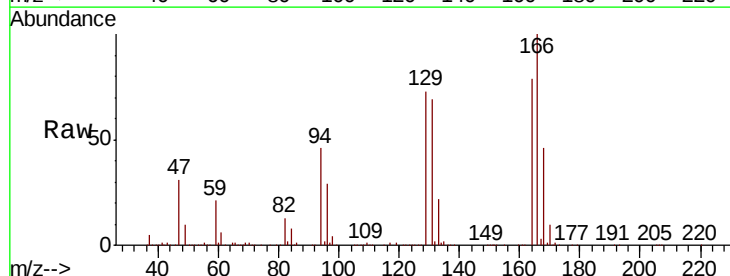
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

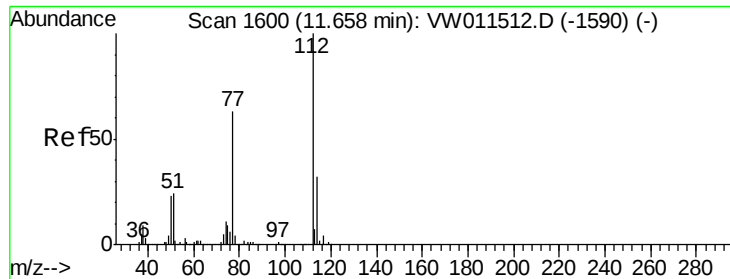
Tgt Ion:117 Resp: 322616
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 53.635 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:164 Resp: 112665
Ion Ratio Lower Upper
164 100
166 127.0 103.5 155.3
129 93.2 75.2 112.8
131 88.1 73.4 110.2

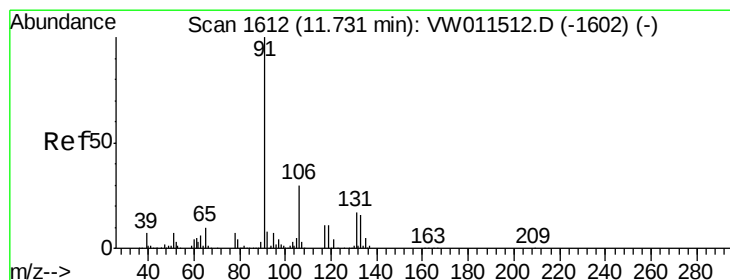
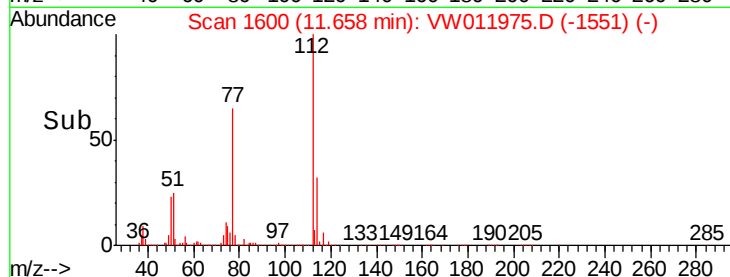
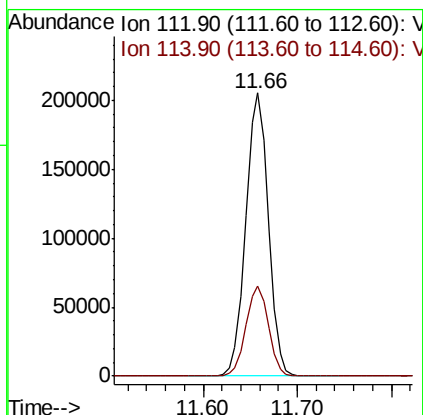
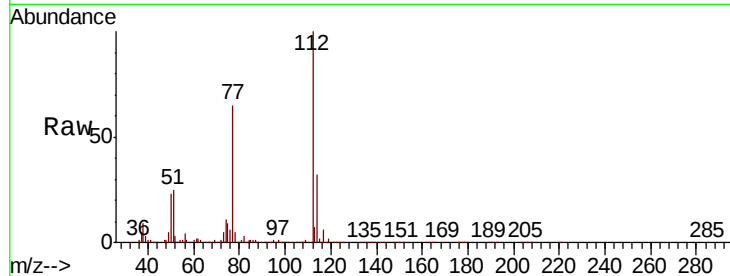




#65
Chlorobenzene
Concen: 52.952 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

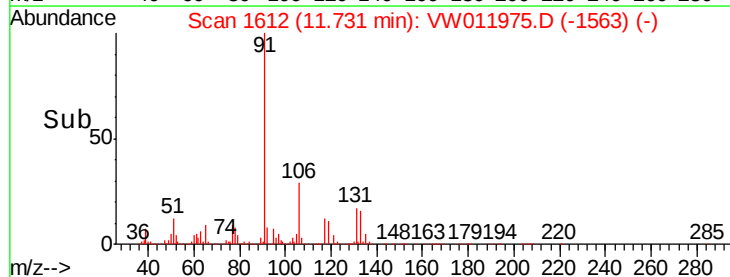
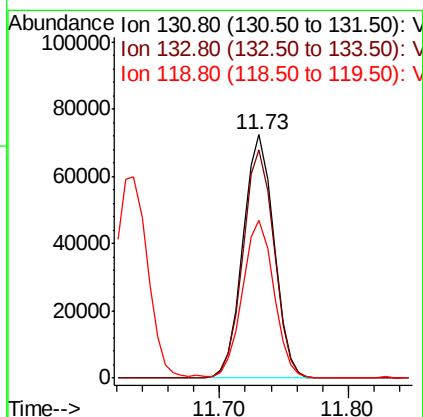
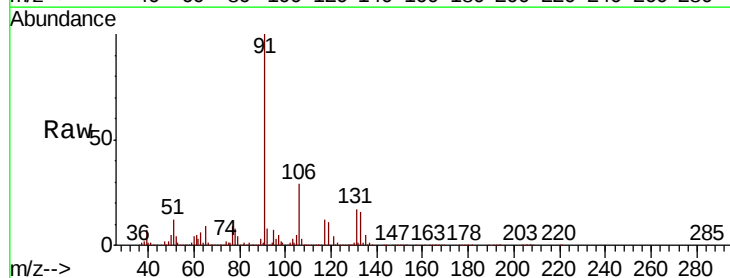
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

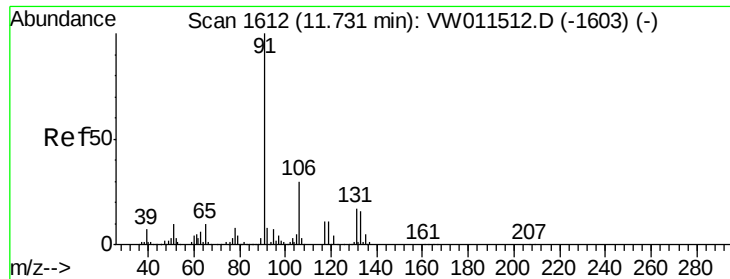
Tgt Ion:112 Resp: 343450
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.250 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:131 Resp: 120305
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.2
119 65.1 32.3 96.9

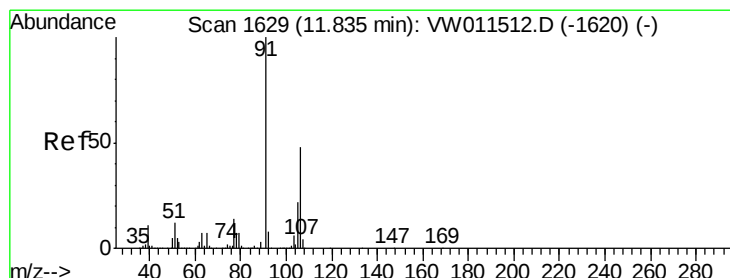
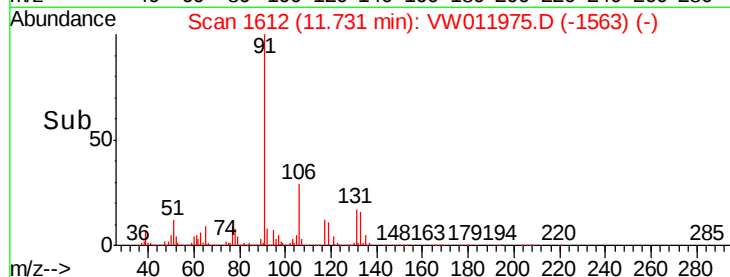
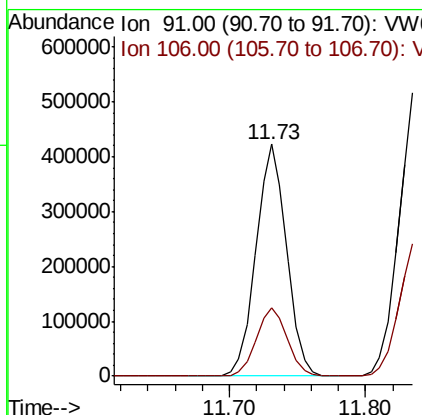
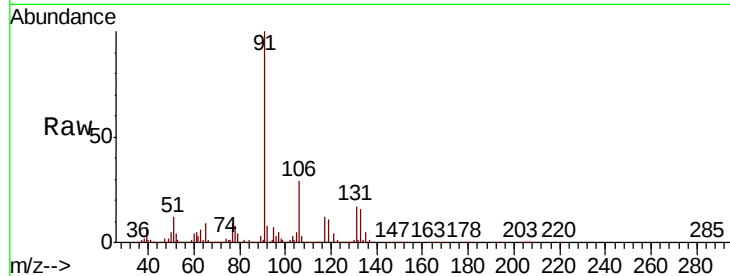




#67
Ethyl Benzene
Concen: 53.723 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

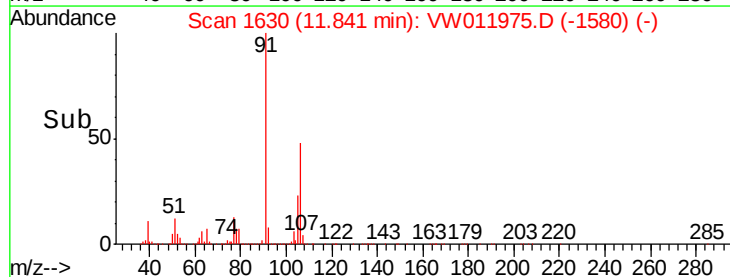
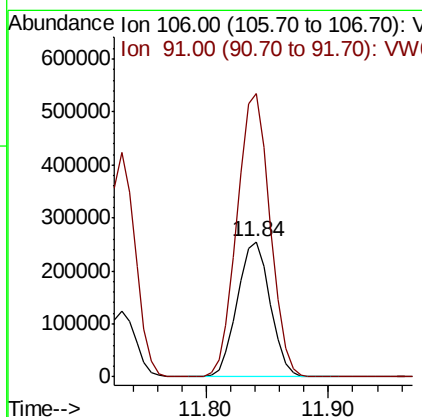
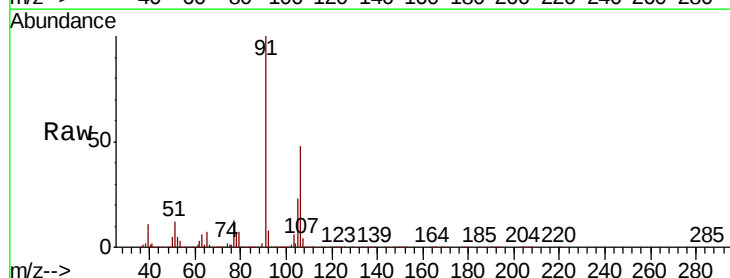
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

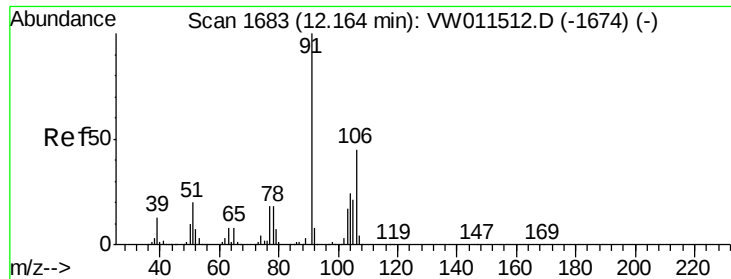
Tgt Ion: 91 Resp: 663645
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 105.753 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 106 Resp: 475090
Ion Ratio Lower Upper
106 100
91 210.5 168.2 252.2

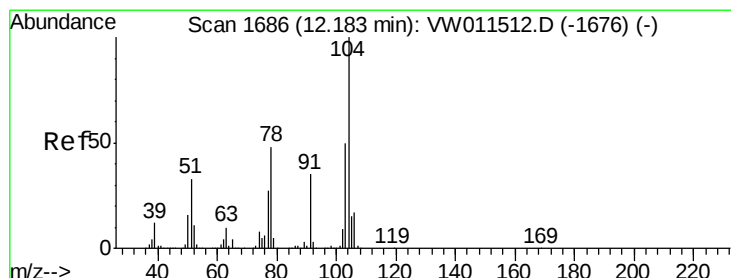
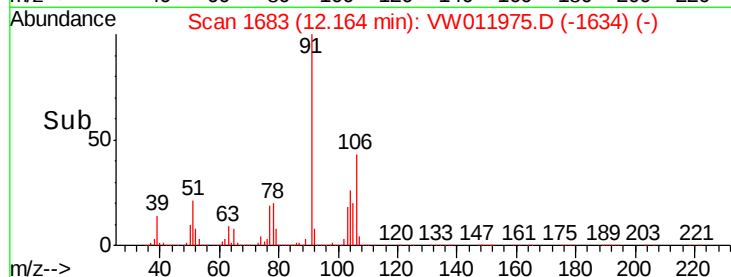
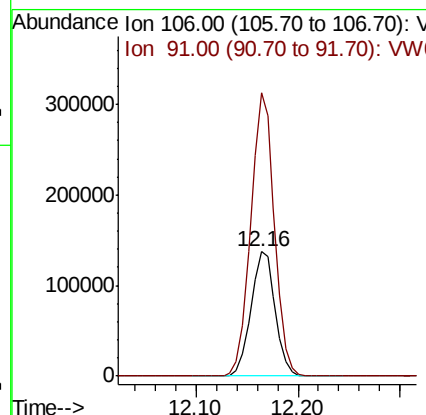
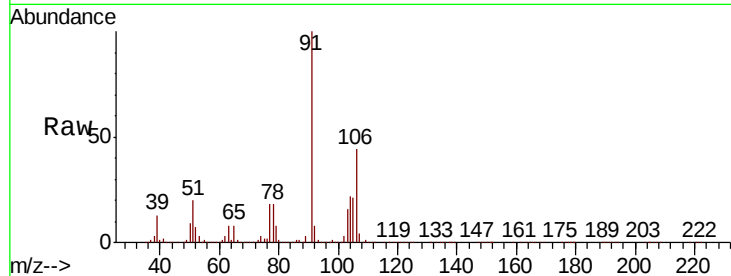




#69
o-Xylene
Concen: 54.151 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

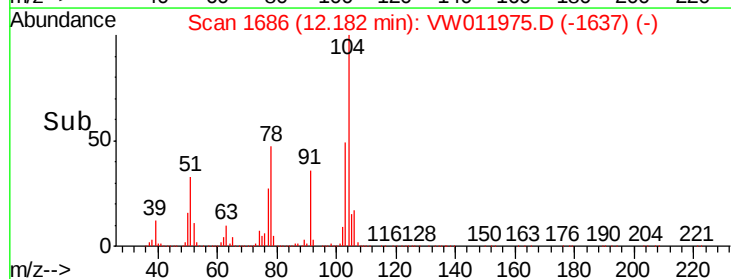
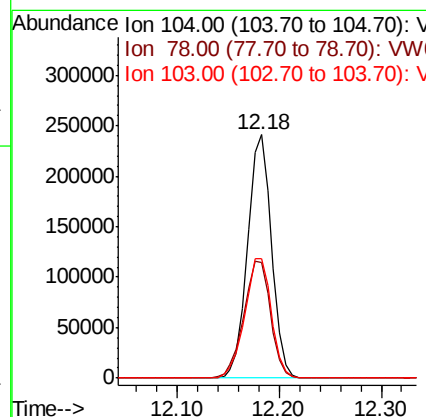
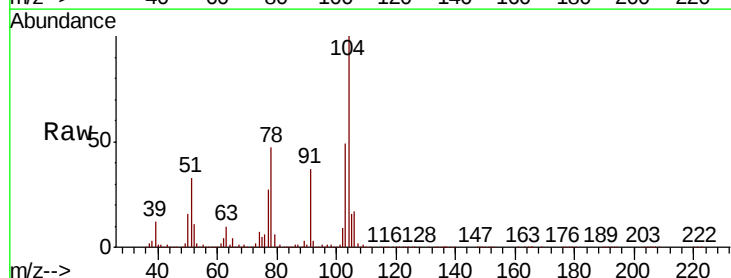
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 226061
Ion Ratio Lower Upper
106 100
91 221.9 110.5 331.5



#70
Styrene
Concen: 54.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:104 Resp: 392938
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.0
103 54.6 43.9 65.9

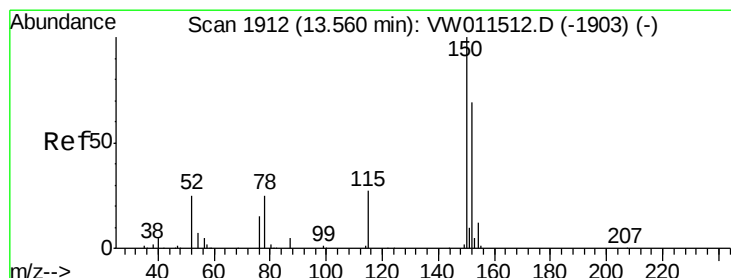
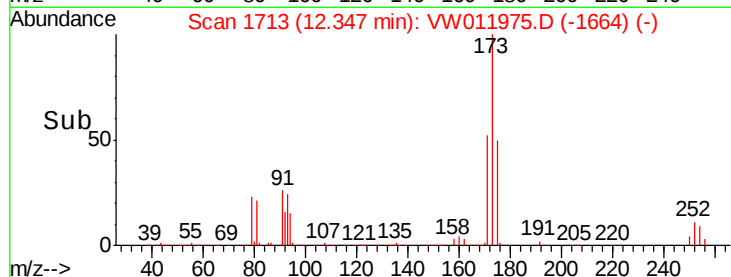
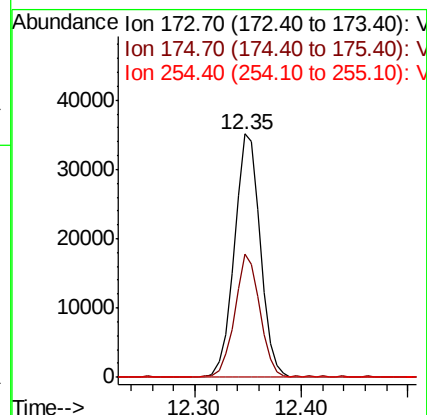
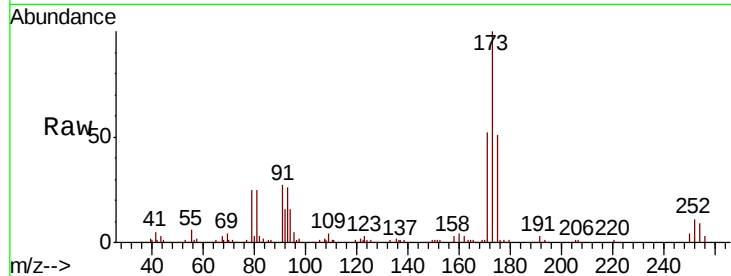




#71
Bromoform
Concen: 52.053 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

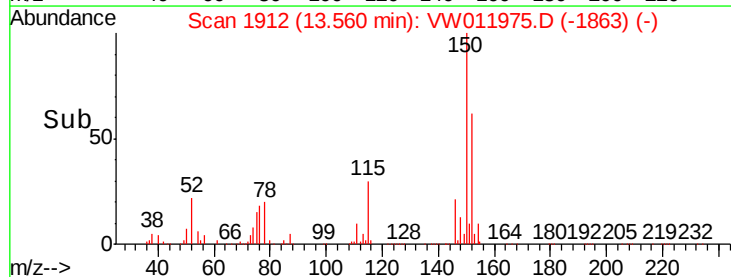
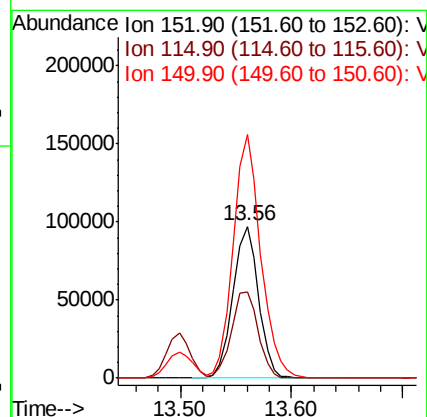
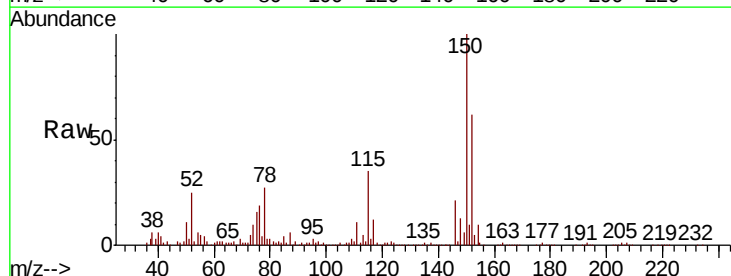
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

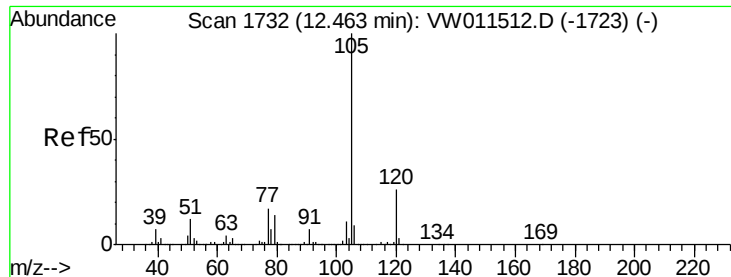
Tgt Ion:173 Resp: 59961
Ion Ratio Lower Upper
173 100
175 48.6 23.6 71.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:152 Resp: 153421
Ion Ratio Lower Upper
152 100
115 59.3 30.5 91.5
150 172.4 0.0 352.6





#73

Isopropylbenzene

Concen: 54.488 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

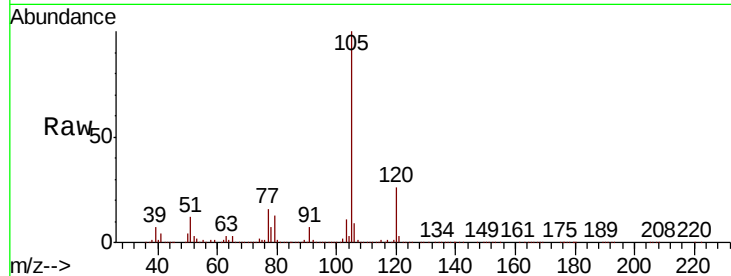
VSTDCCC050EC

Tgt Ion:105 Resp: 623645

Ion Ratio Lower Upper

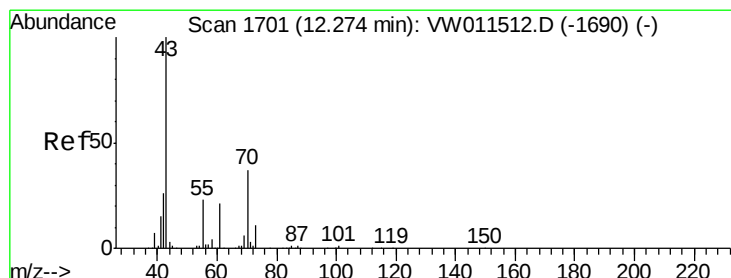
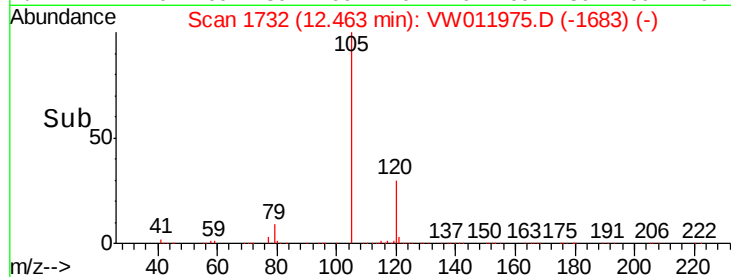
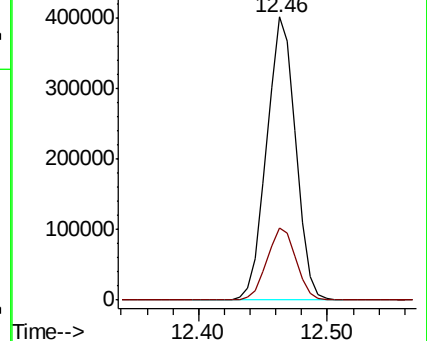
105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.461 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion: 43 Resp: 198735

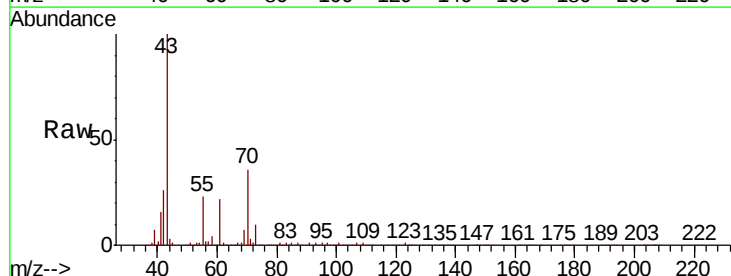
Ion Ratio Lower Upper

43 100

70 36.2 28.6 43.0

55 22.3 17.8 26.8

61 22.0 17.0 25.6

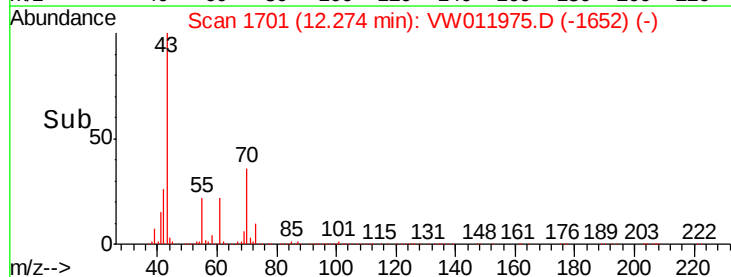
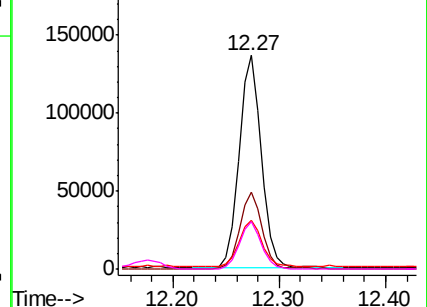


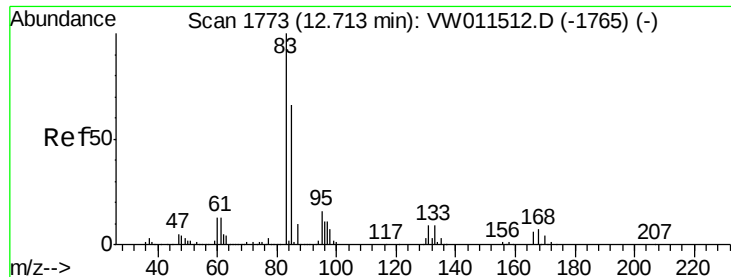
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.145 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

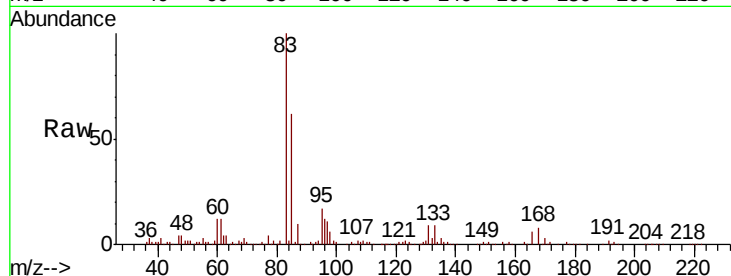
Tgt Ion: 83 Resp: 112263

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.6

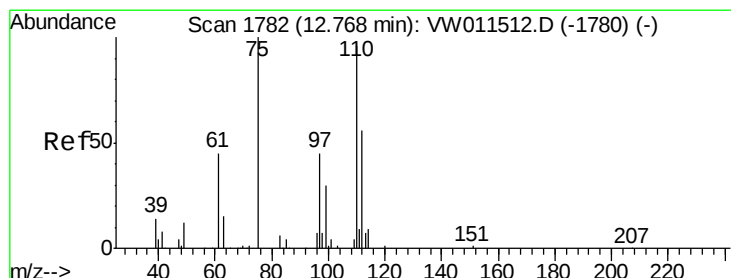
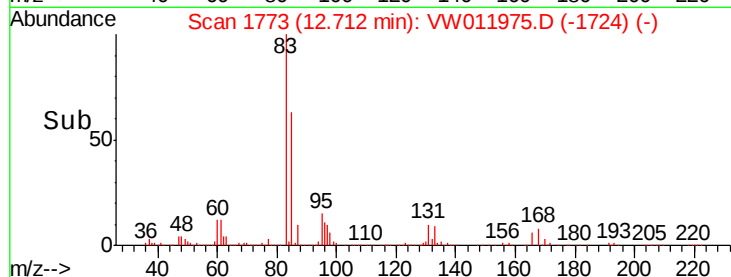
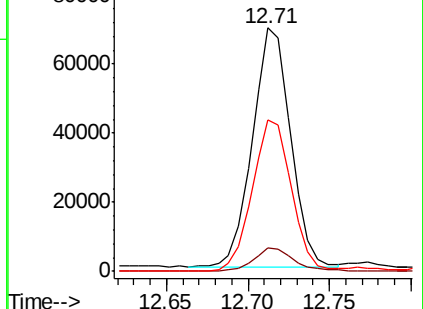
85 64.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.242 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011975.D

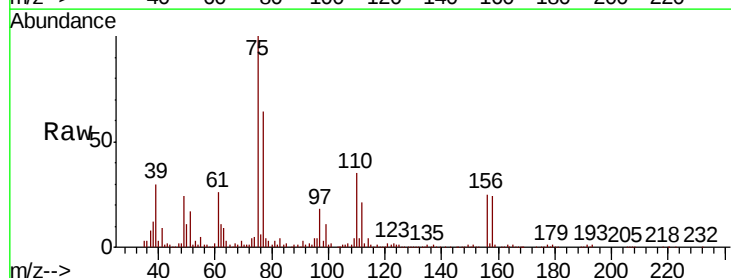
Acq: 16 Aug 2019 19:34

Tgt Ion: 75 Resp: 149743

Ion Ratio Lower Upper

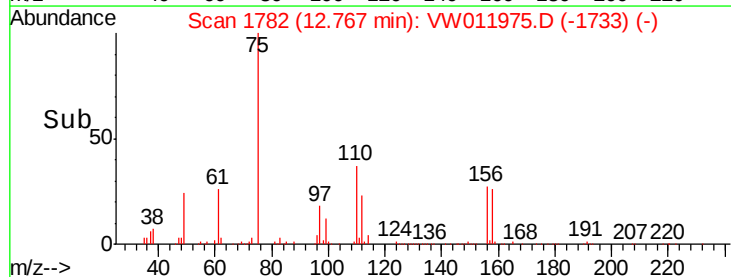
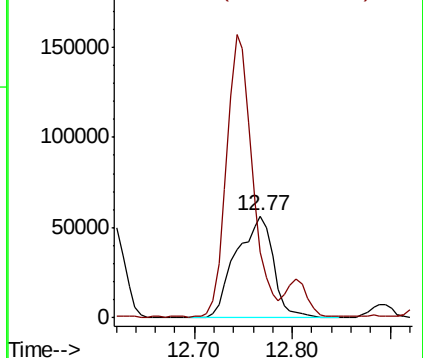
75 100

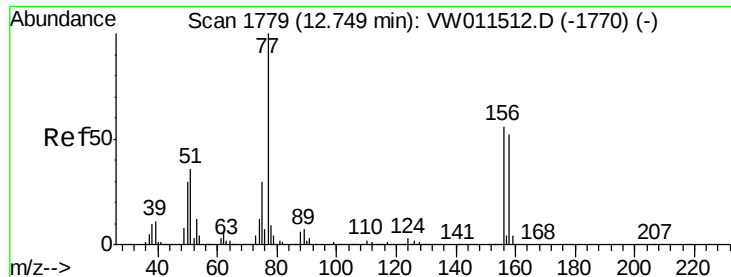
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.216 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

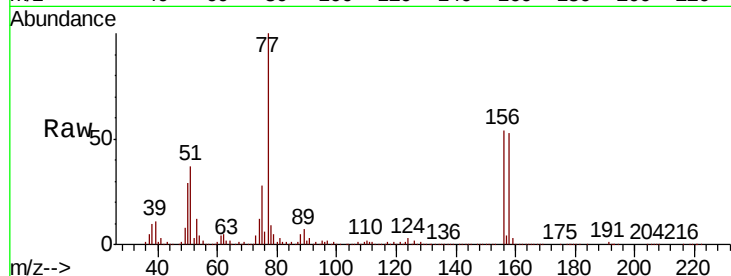
Tgt Ion:156 Resp: 137156

Ion Ratio Lower Upper

156 100

77 210.2 106.5 319.4

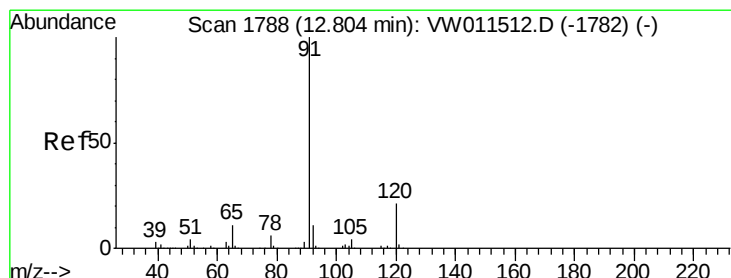
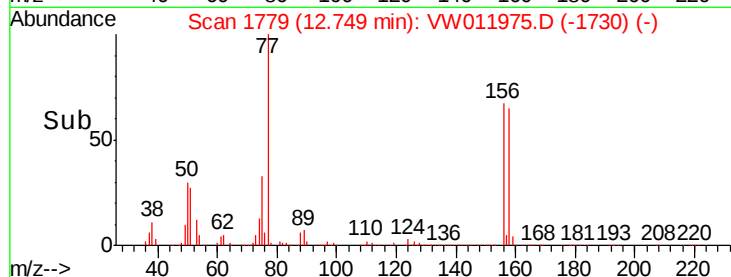
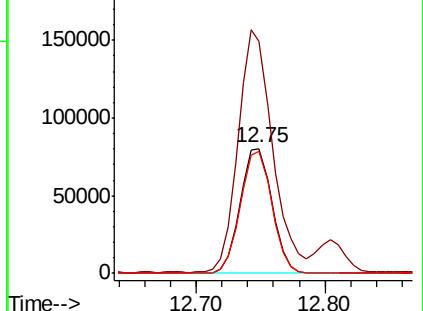
158 96.6 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.789 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011975.D

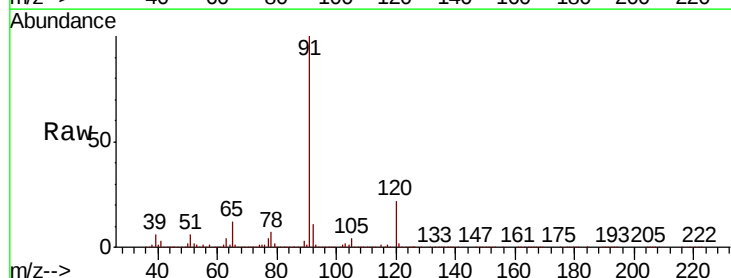
Acq: 16 Aug 2019 19:34

Tgt Ion: 91 Resp: 749239

Ion Ratio Lower Upper

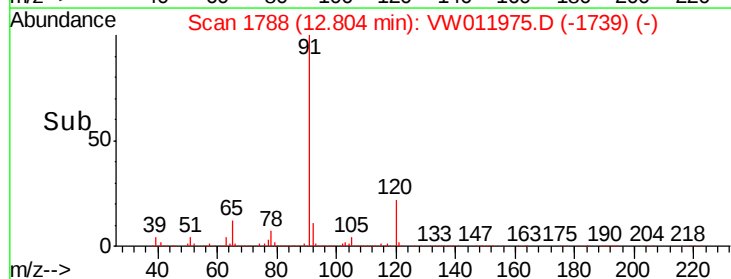
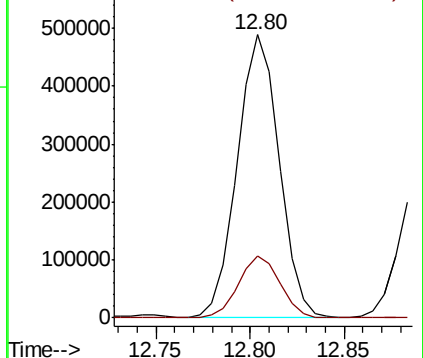
91 100

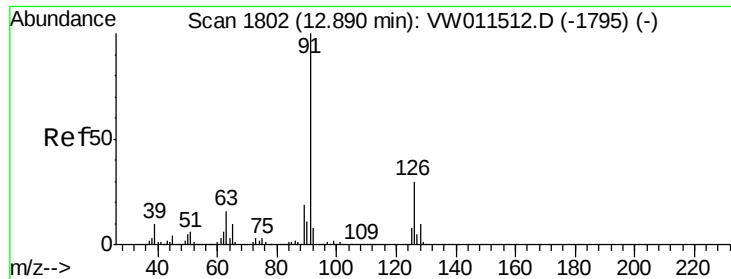
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

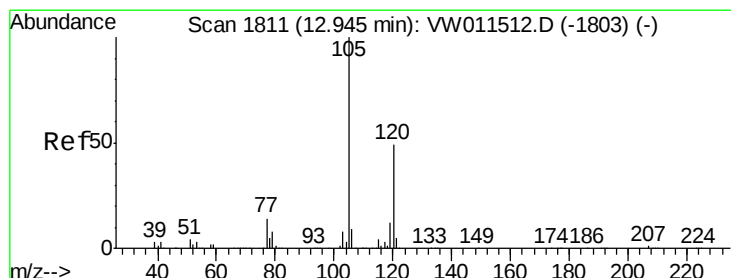
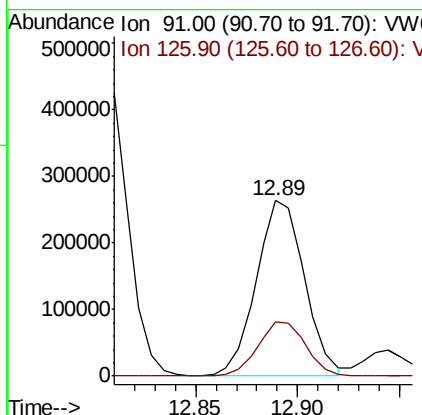
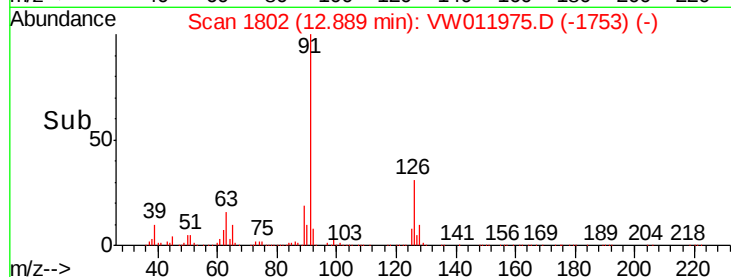
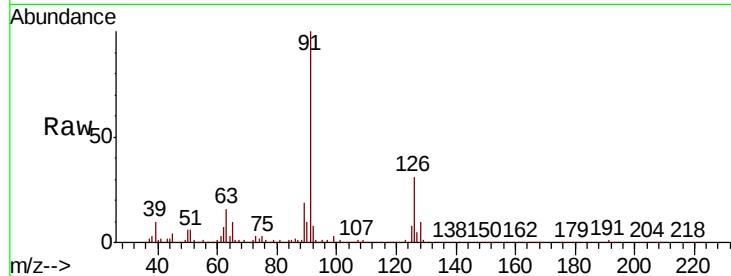




#79
 2-Chlorotoluene
 Concen: 53.416 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

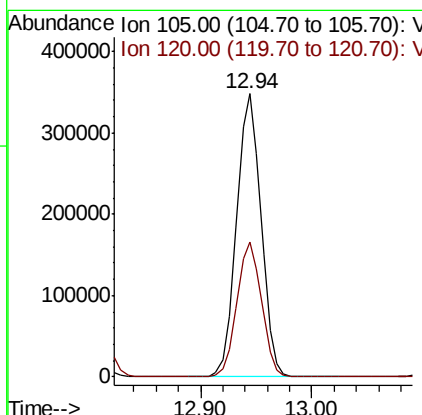
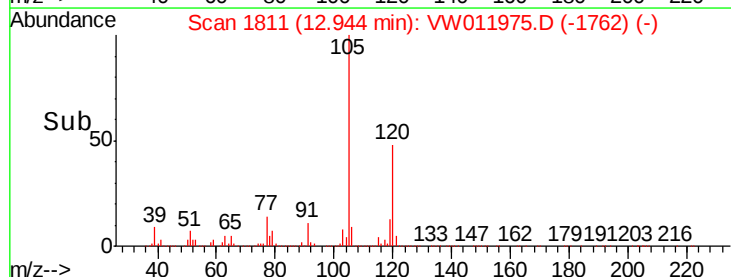
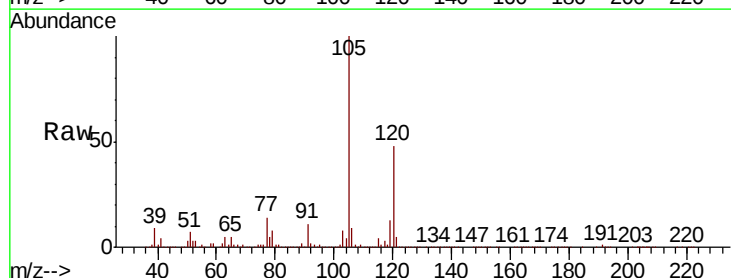
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

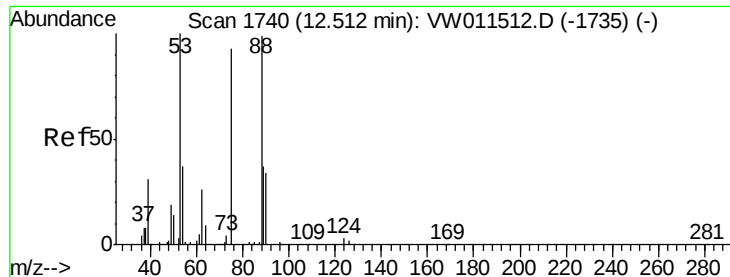
Tgt Ion: 91 Resp: 428648
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 54.866 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 105 Resp: 526400
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.994 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

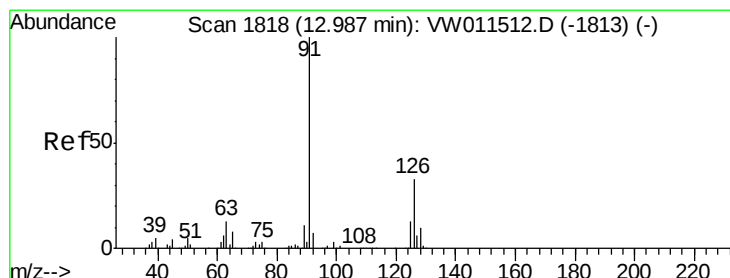
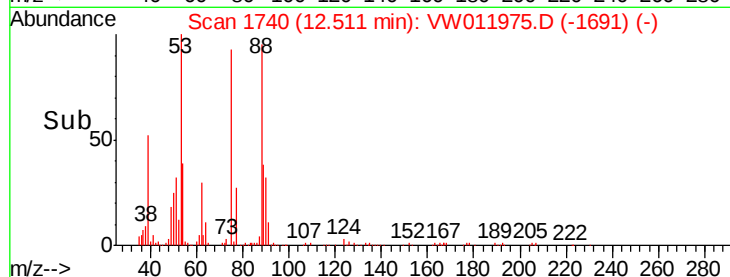
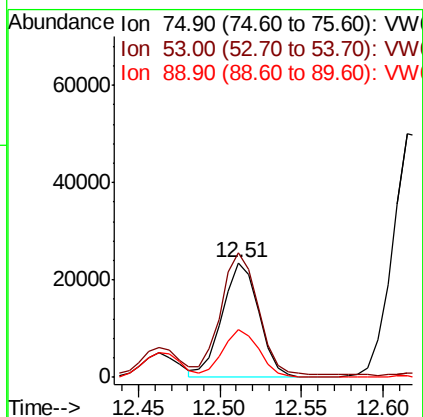
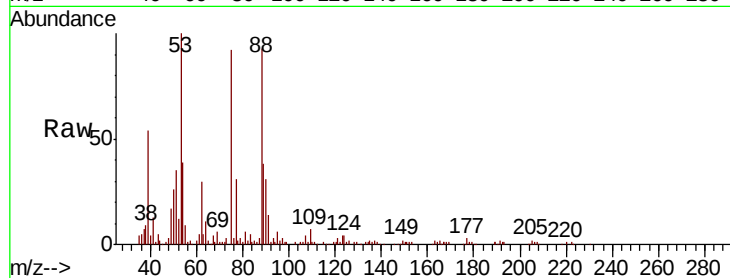
Tgt Ion: 75 Resp: 36624

Ion Ratio Lower Upper

75 100

53 107.5 88.0 132.0

89 41.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 52.486 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011975.D

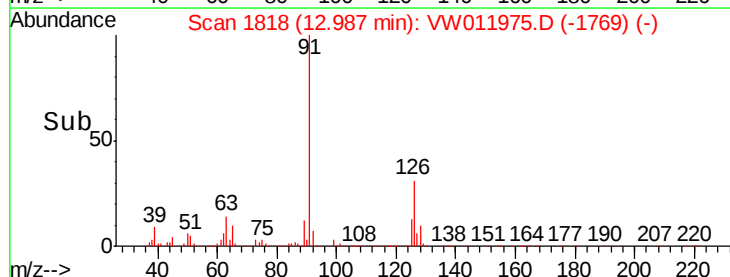
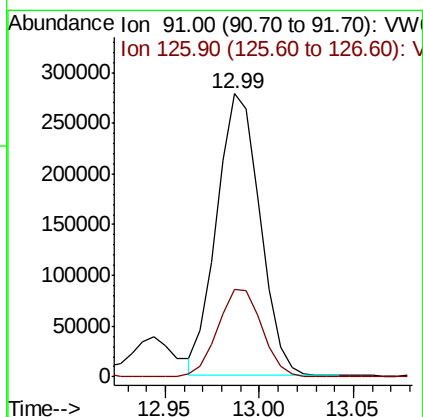
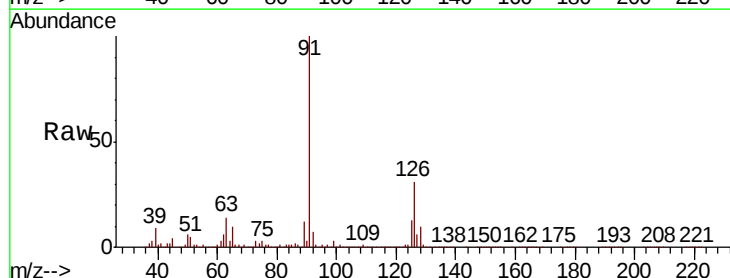
Acq: 16 Aug 2019 19:34

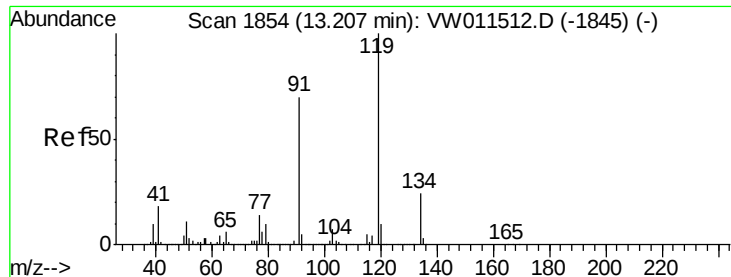
Tgt Ion: 91 Resp: 441908

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8

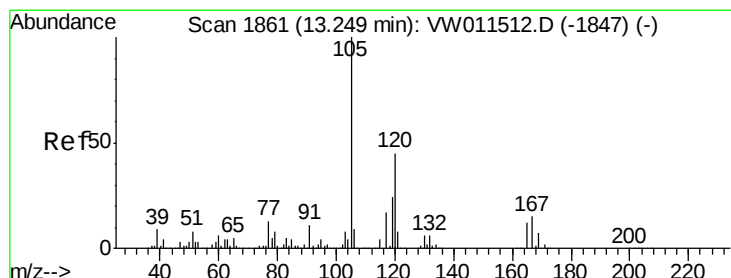
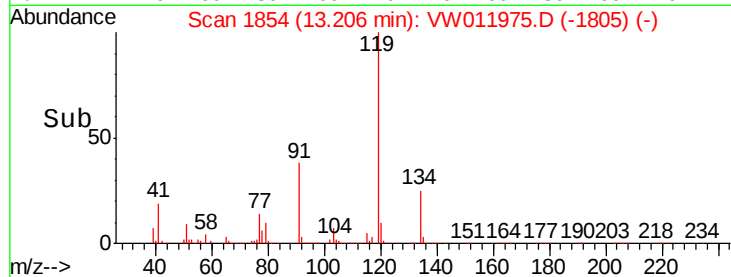
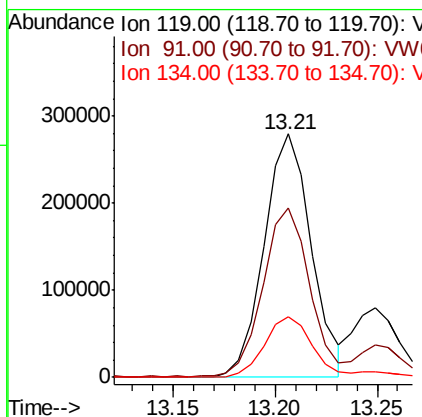
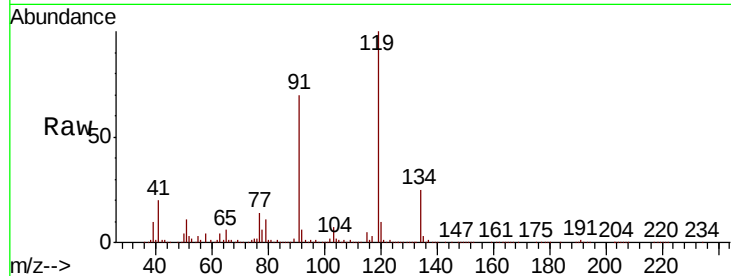




#83
 tert-Butylbenzene
 Concen: 56.009 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

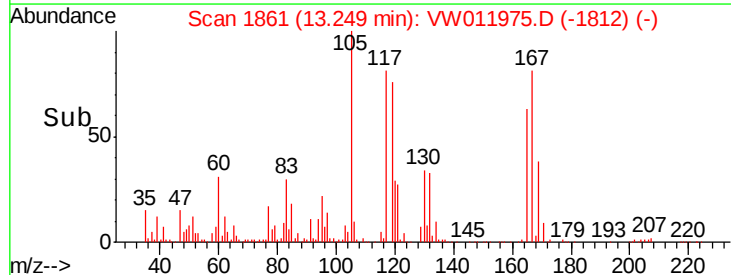
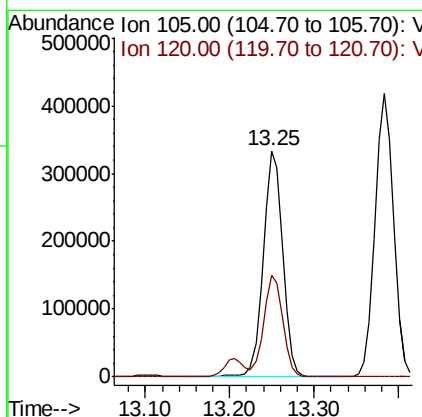
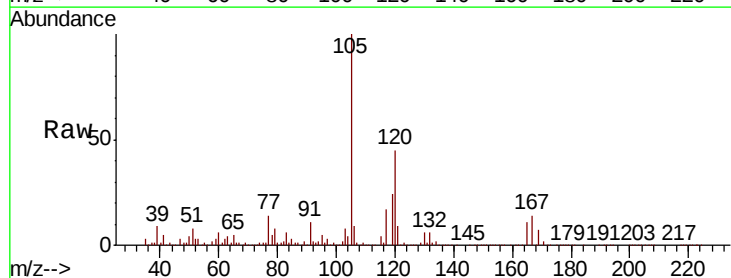
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

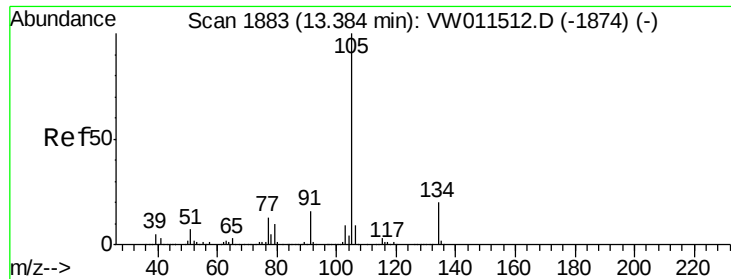
Tgt Ion:119 Resp: 449367
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.5 103.6
 134 25.2 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.734 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion:105 Resp: 528992
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5

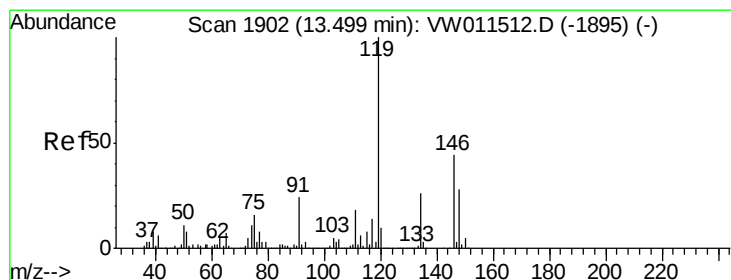
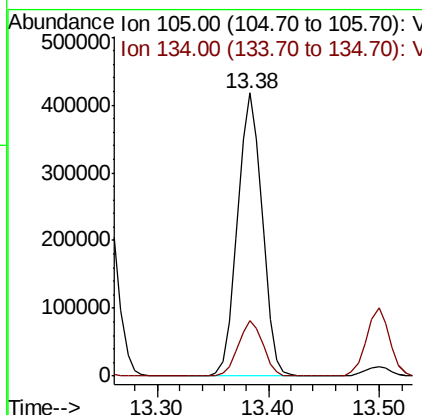
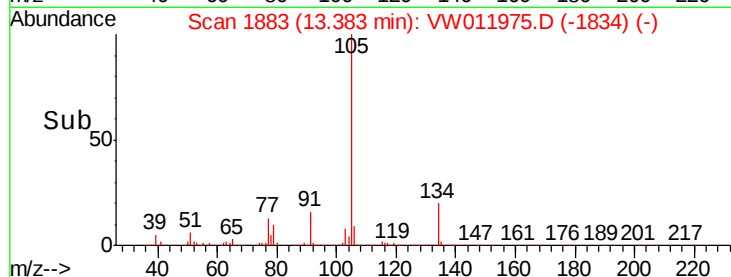
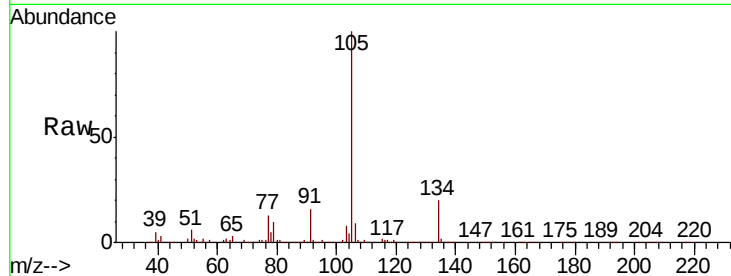




#85
 sec-Butylbenzene
 Concen: 55.801 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

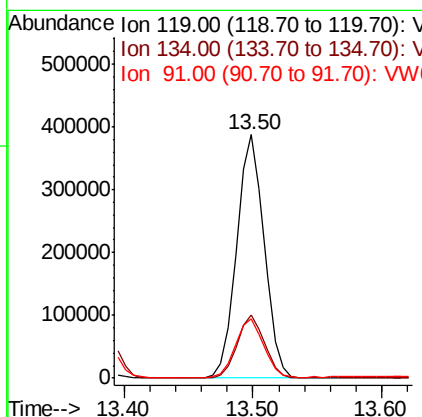
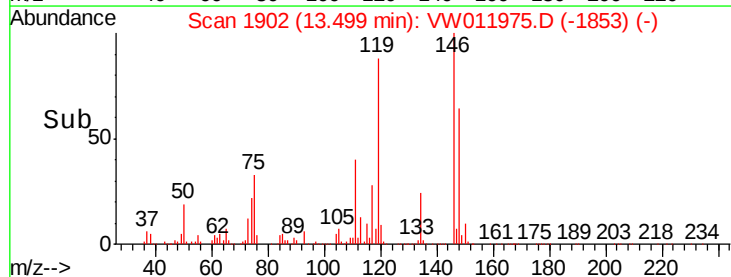
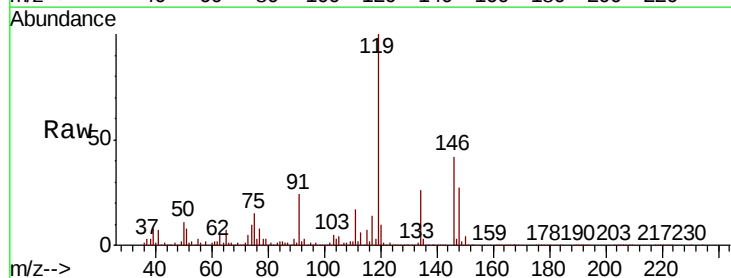
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

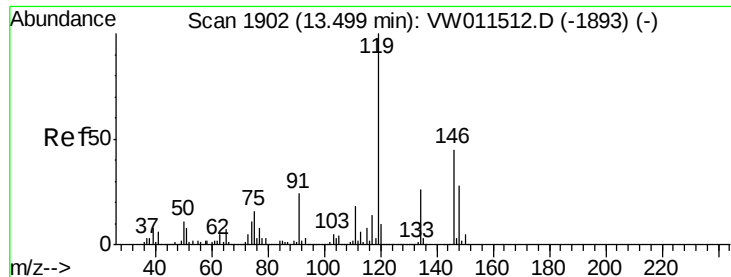
Tgt Ion:105 Resp: 638811
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 54.927 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion:119 Resp: 570522
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 53.135 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

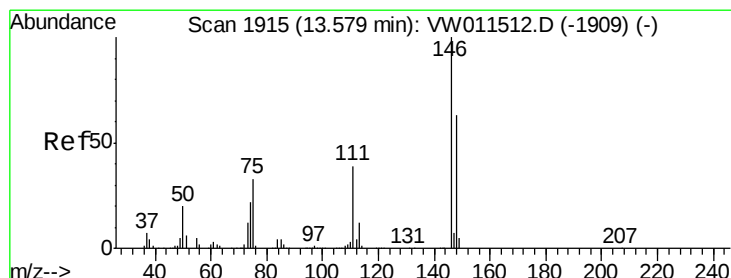
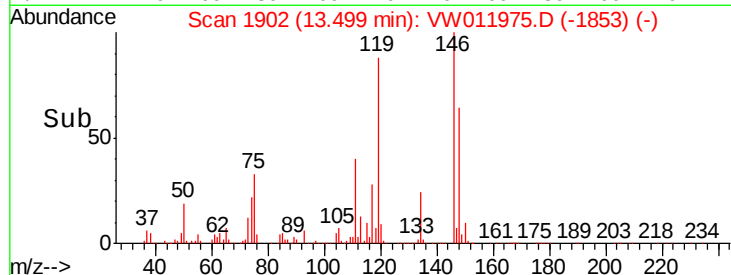
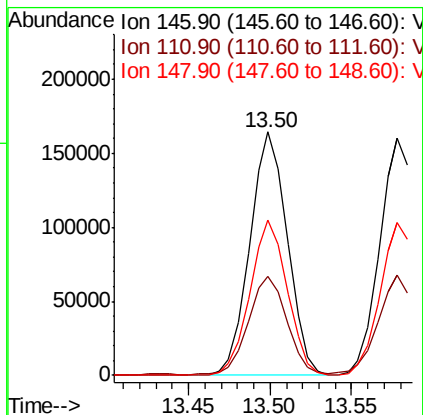
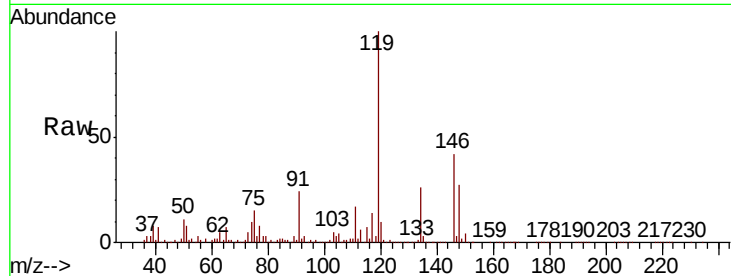
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	263574
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	62.7	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 52.163 ug/l

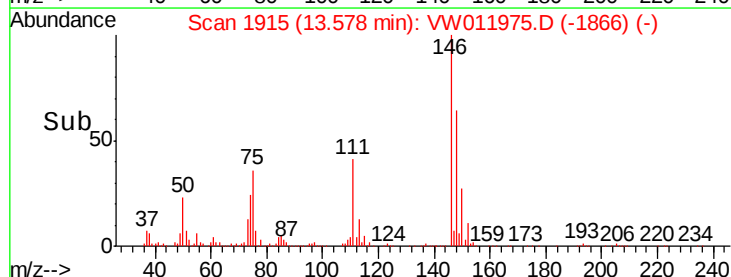
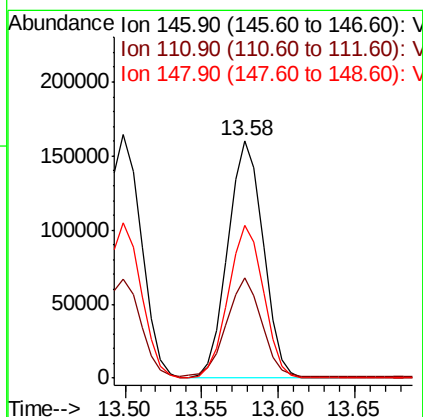
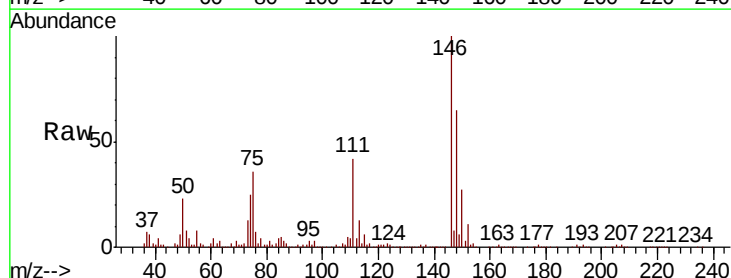
RT: 13.58 min Scan# 1915

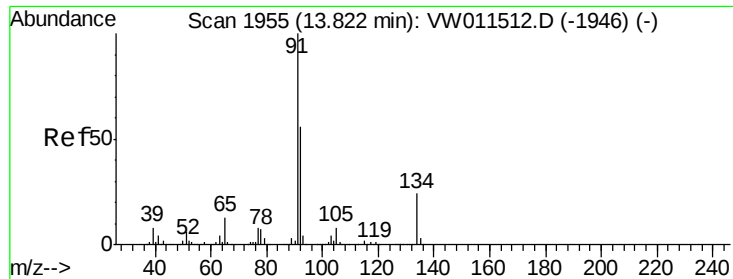
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	146	Resp:	257394
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.2
148	63.6	31.9	95.9





#89

n-Butylbenzene

Concen: 54.592 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

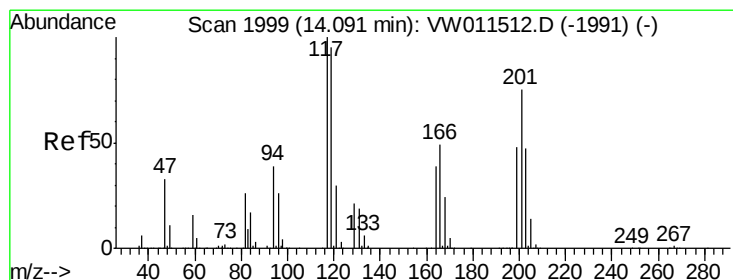
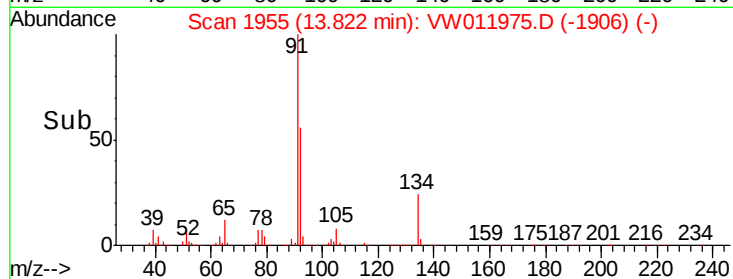
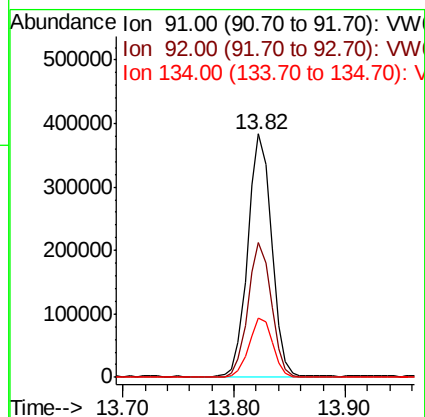
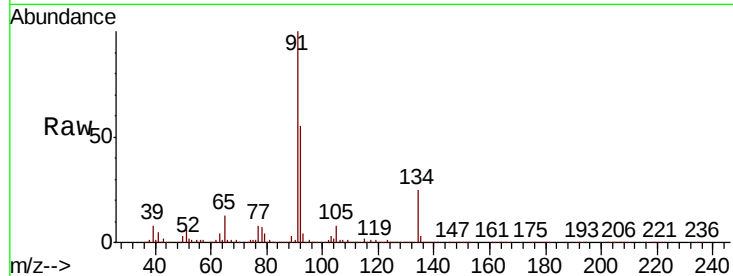
Tgt Ion: 91 Resp: 565881

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 24.6 12.2 36.6



#90

Hexachloroethane

Concen: 54.238 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011975.D

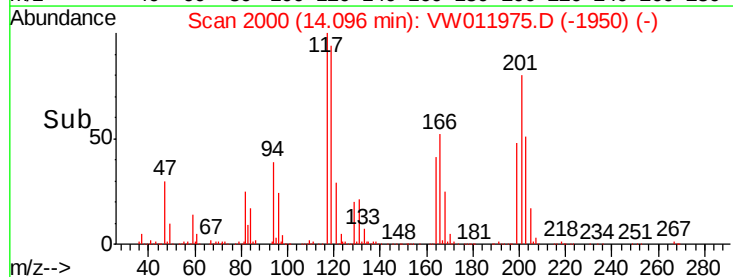
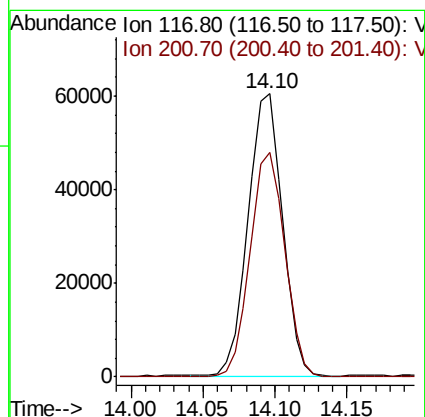
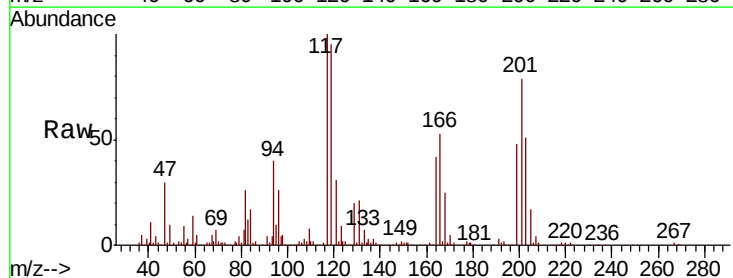
Acq: 16 Aug 2019 19:34

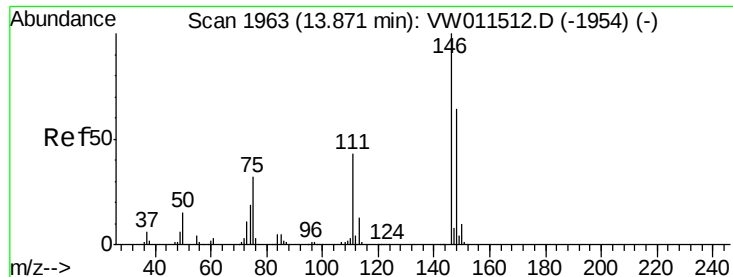
Tgt Ion: 117 Resp: 99620

Ion Ratio Lower Upper

117 100

201 80.4 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 53.680 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

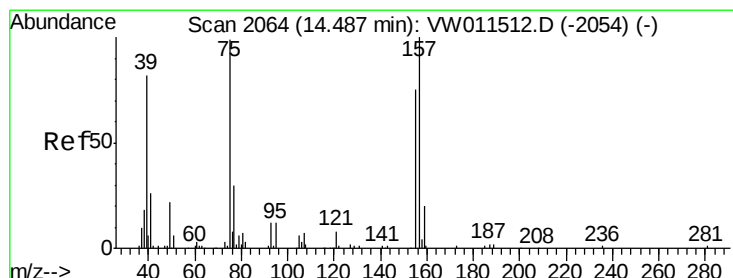
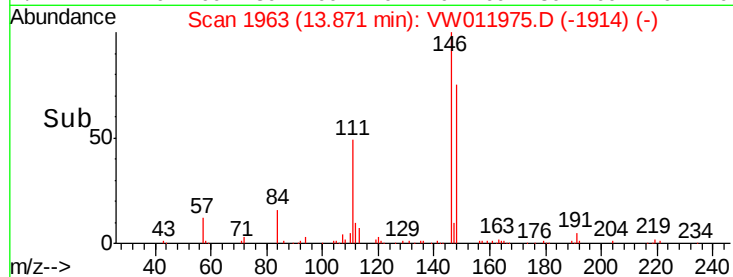
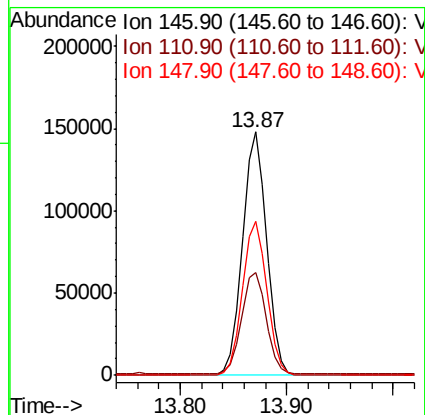
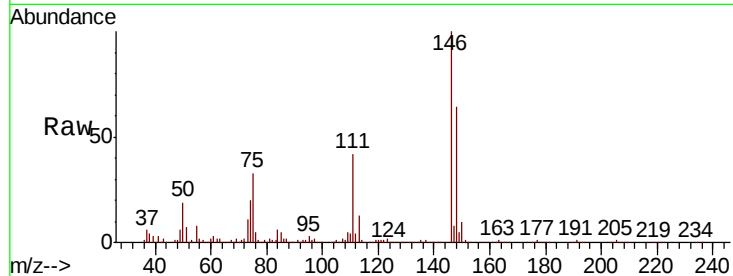
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	235509
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.9	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.628 ug/l

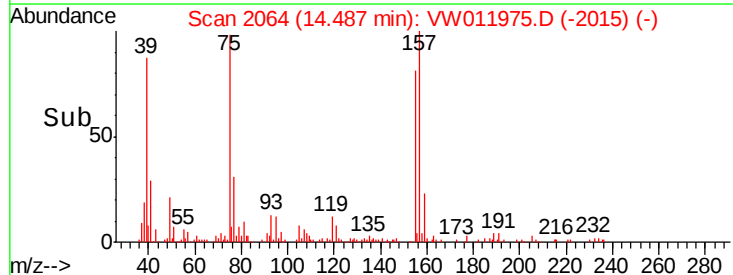
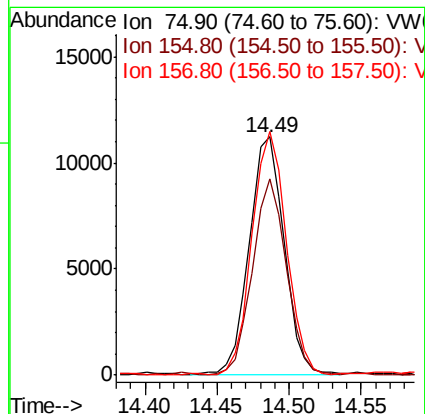
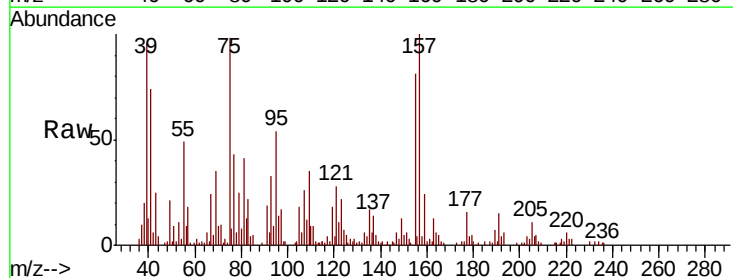
RT: 14.49 min Scan# 2064

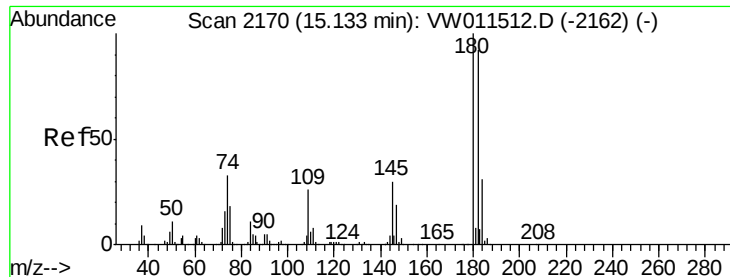
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	75	Resp:	18954
Ion	Ratio	Lower	Upper
75	100		
155	79.4	38.2	114.6
157	99.7	48.9	146.7

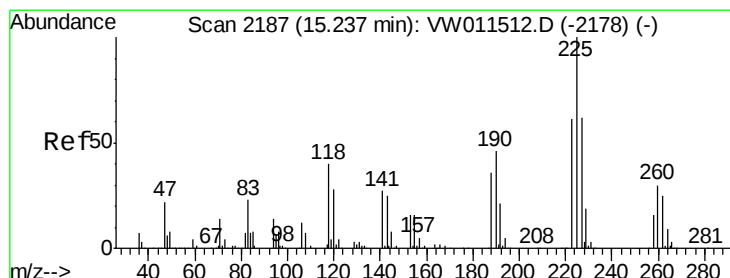
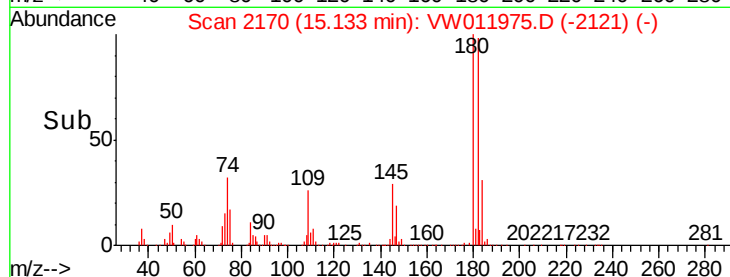
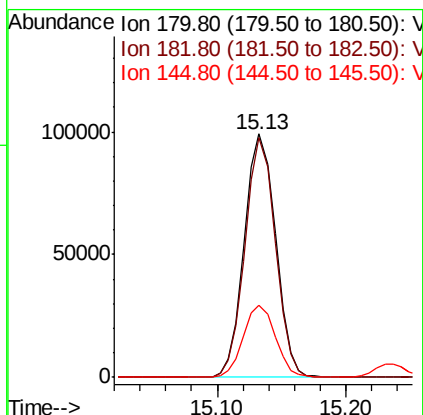
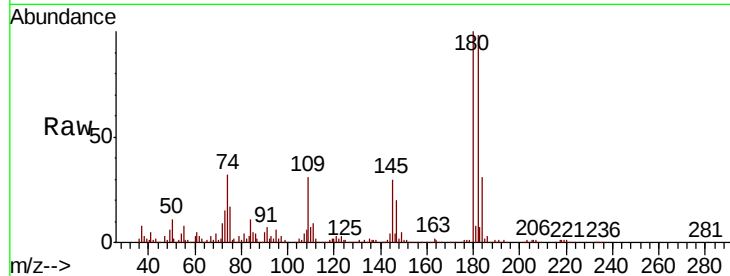




#93
 1,2,4-Trichlorobenzene
 Concen: 53.868 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

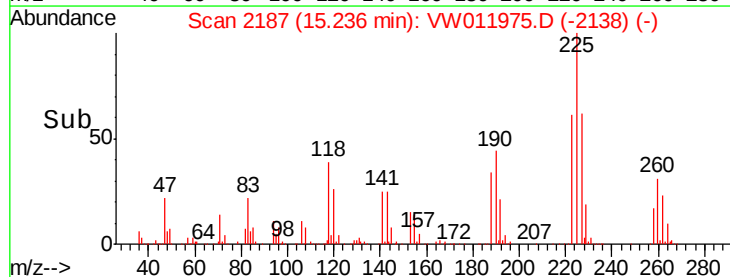
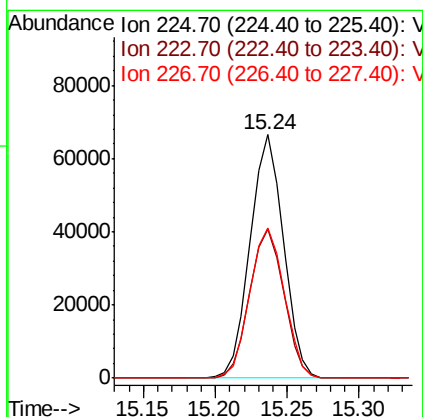
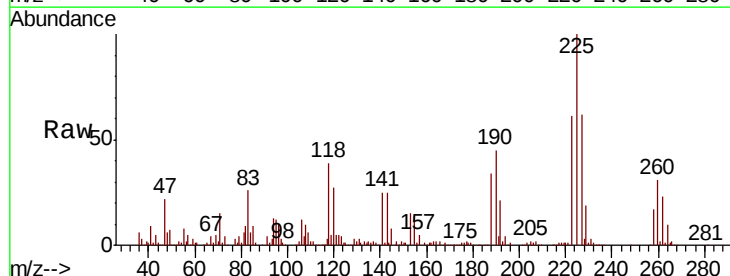
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

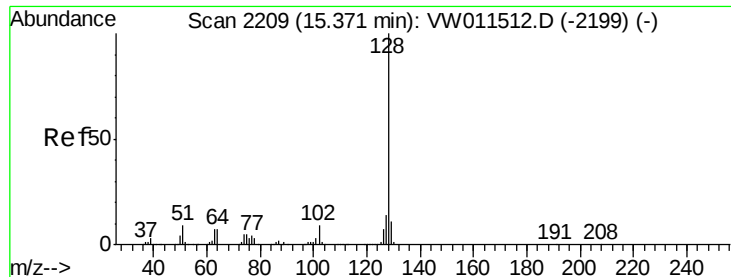
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	30.1	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 55.263 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.3
227	63.8	31.6	94.7

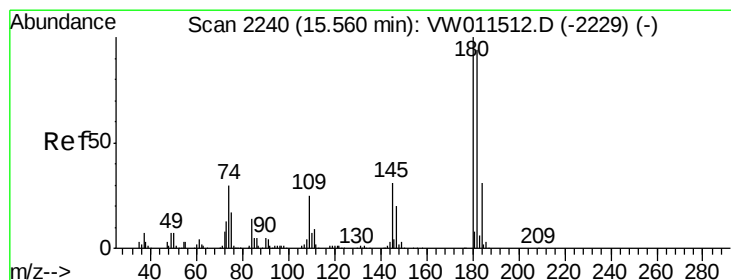
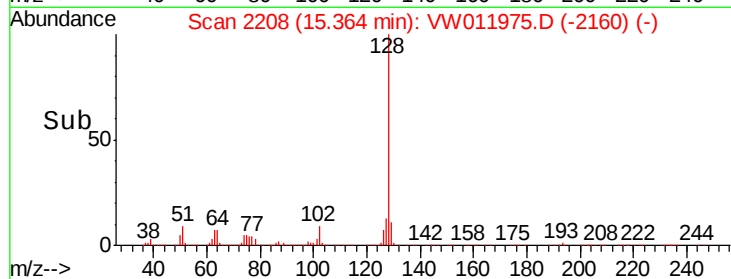
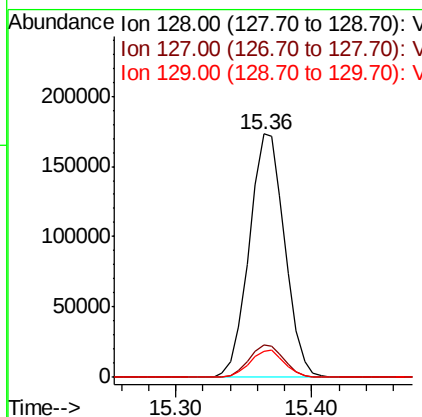
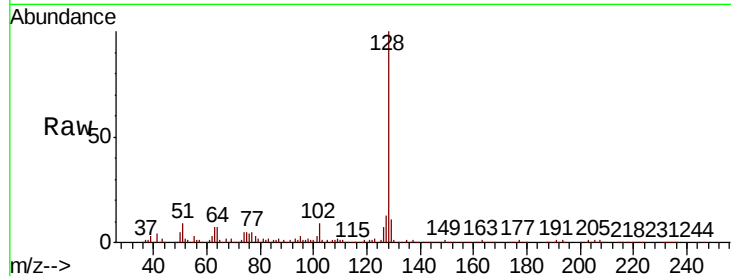




#95
Naphthalene
Concen: 51.927 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 315015
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.179 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:180 Resp: 146843
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.2
145 31.4 15.9 47.7

