

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013265.D
 Acq On : 24 Sep 2019 08:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 24 08:49:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	224906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145319	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	137859	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.32	98	588574	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	204521	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	37353	19.164	ug/l	96
3) Chloromethane	2.20	50	52525	20.963	ug/l	99
4) Vinyl Chloride	2.36	62	65389	20.243	ug/l	100
5) Bromomethane	2.76	94	40951	20.005	ug/l	88
6) Chloroethane	2.90	64	38978	20.471	ug/l	100
7) Trichlorofluoromethane	3.25	101	29955	16.082	ug/l	97
8) Diethyl Ether	3.68	74	36487	22.934	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60016	19.791	ug/l	99
10) Methyl Iodide	4.26	142	96296	20.482	ug/l	99
11) Tert butyl alcohol	5.20	59	25277	122.157	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	60804	19.363	ug/l	97
13) Acrolein	3.89	56	10452	65.838	ug/l	94
14) Allyl chloride	4.66	41	97245	19.458	ug/l	98
15) Acrylonitrile	5.36	53	81901	119.269	ug/l	99
16) Acetone	4.12	43	58381	93.874	ug/l #	87
17) Carbon Disulfide	4.37	76	155784	17.164	ug/l	100
18) Methyl Acetate	4.67	43	57263	32.756	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	108152	22.472	ug/l	97
20) Methylene Chloride	4.91	84	79853	23.571	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	70799	20.860	ug/l	99
22) Diisopropyl ether	6.31	45	204366	21.504	ug/l	96
23) Vinyl Acetate	6.25	43	550437	97.631	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118941	20.741	ug/l	100
25) 2-Butanone	7.17	43	105640	113.155	ug/l	99
26) 2,2-Dichloropropane	7.16	77	58710	14.763	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	75466	21.070	ug/l	98
28) Bromochloromethane	7.51	49	41024	18.639	ug/l #	99
29) Tetrahydrofuran	7.53	42	72372	126.405	ug/l	98
30) Chloroform	7.67	83	115679	20.604	ug/l	94
31) Cyclohexane	7.95	56	119029	19.912	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	90122	19.819	ug/l	99
36) 1,1-Dichloropropene	8.07	75	94447	19.034	ug/l	99
37) Ethyl Acetate	7.25	43	46599	22.097	ug/l	99
38) Carbon Tetrachloride	8.07	117	82324	18.508	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	123800	19.414	ug/l	97
40) Benzene	8.32	78	280849	20.292	ug/l	100
41) Methacrylonitrile	7.48	41	32789	26.051	ug/l	89
42) 1,2-Dichloroethane	8.40	62	75089	20.182	ug/l	97
43) Isopropyl Acetate	8.42	43	88027	21.779	ug/l	97
44) Trichloroethene	9.09	130	78451	20.202	ug/l	98
45) 1,2-Dichloropropane	9.37	63	69480	20.562	ug/l	97
46) Dibromomethane	9.46	93	33838	20.626	ug/l	97
47) Bromodichloromethane	9.64	83	80329	19.243	ug/l	93
48) Methyl methacrylate	9.43	41	42324	22.269	ug/l	98
49) 1,4-Dioxane	9.47	88	12702	515.808	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	238090	117.502	ug/l	98
52) Toluene	10.38	92	178138	20.082	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	82667	19.275	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	99219	19.027	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	51030	20.811	ug/l	95
56) Ethyl methacrylate	10.65	69	71194	22.185	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91020	21.272	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	171672	115.555	ug/l	100
59) 2-Hexanone	10.96	43	163025	116.942	ug/l	99
60) Dibromochloromethane	11.13	129	56163	20.171	ug/l	99
61) 1,2-Dibromoethane	11.23	107	49038	21.034	ug/l	95
64) Tetrachloroethene	10.86	164	79417	23.184	ug/l	99
65) Chlorobenzene	11.65	112	186273	19.758	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	64392	19.993	ug/l	98
67) Ethyl Benzene	11.73	91	344334	20.158	ug/l	97
68) m/p-Xylenes	11.84	106	259566	39.876	ug/l	100
69) o-Xylene	12.16	106	121379	20.057	ug/l	100
70) Styrene	12.18	104	208380	20.056	ug/l	99
71) Bromoform	12.35	173	33732	19.824	ug/l #	99
73) Isopropylbenzene	12.46	105	340133	20.473	ug/l	99
74) N-amyl acetate	12.27	43	80497	21.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	58912	21.202	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	74946	37.733	ug/l #	100
77) Bromobenzene	12.74	156	81096	20.598	ug/l	99
78) n-propylbenzene	12.80	91	389519	20.030	ug/l	99
79) 2-Chlorotoluene	12.89	91	223341	20.499	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	286267	20.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16557	18.705	ug/l	94
82) 4-Chlorotoluene	12.99	91	225911	19.663	ug/l	99
83) tert-Butylbenzene	13.21	119	254330	20.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	298320	21.466	ug/l	100
85) sec-Butylbenzene	13.38	105	344784	20.402	ug/l	98
86) p-Isopropyltoluene	13.50	119	316679	20.203	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150037	19.801	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	148526	19.987	ug/l	97
89) n-Butylbenzene	13.82	91	285939	19.978	ug/l	99
90) Hexachloroethane	14.09	117	51538	19.572	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	133787	20.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9839	23.151	ug/l	90

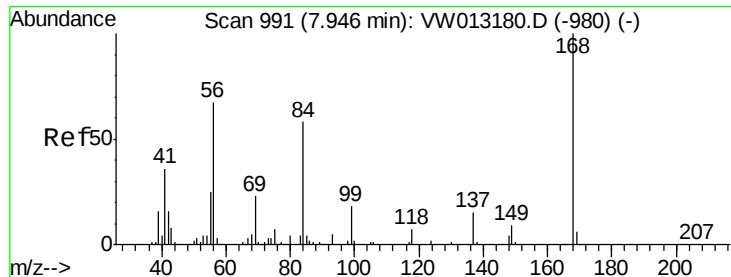
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	96024	20.442	ug/l	91
94) Hexachlorobutadiene	15.23	225	62794	19.540	ug/l	99
95) Naphthalene	15.36	128	226741	29.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	88176	21.725	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

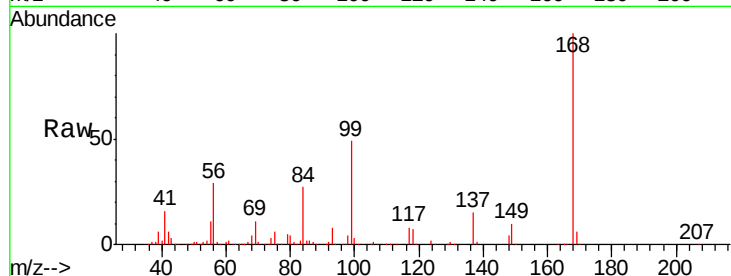
VSTDCCC050EC

Tgt Ion:168 Resp: 337902

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

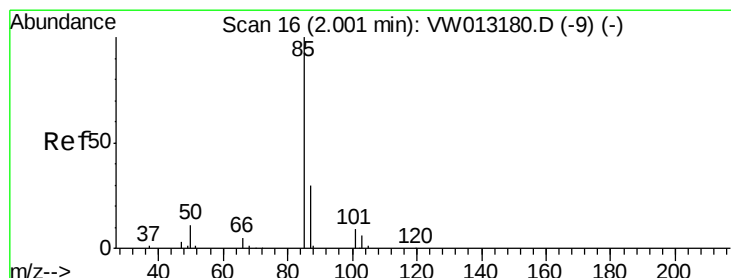
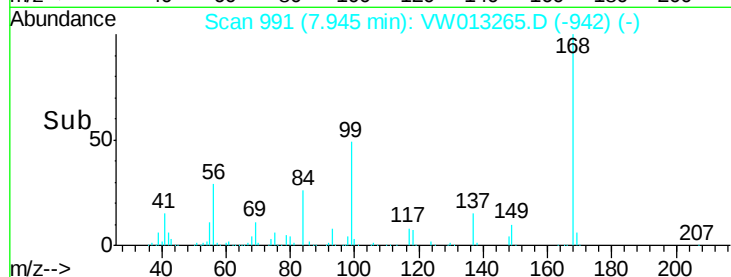
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.164 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013265.D

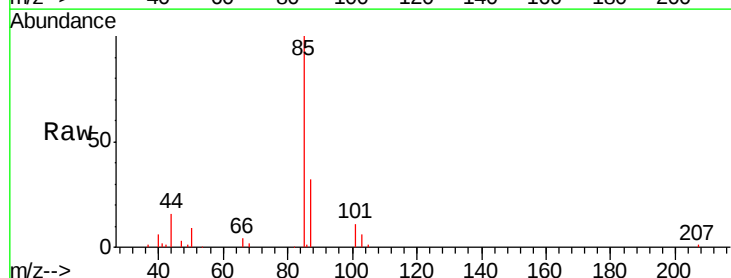
Acq: 24 Sep 2019 08:05

Tgt Ion: 85 Resp: 37353

Ion Ratio Lower Upper

85 100

87 32.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

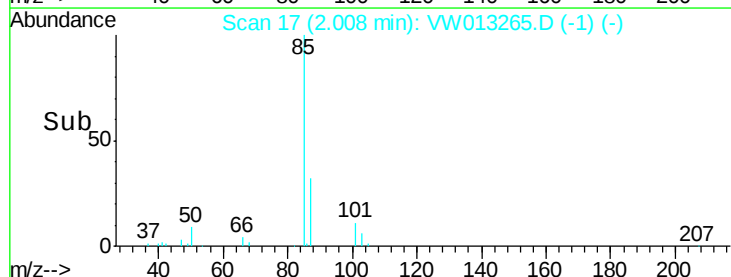
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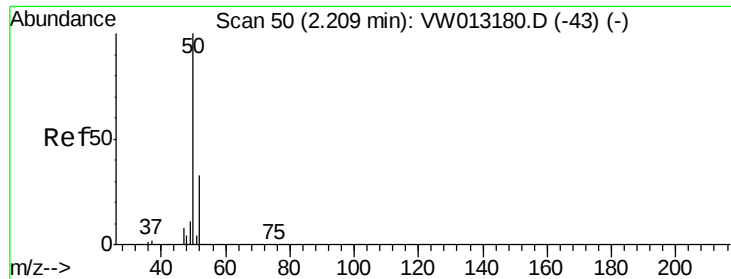
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.963 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

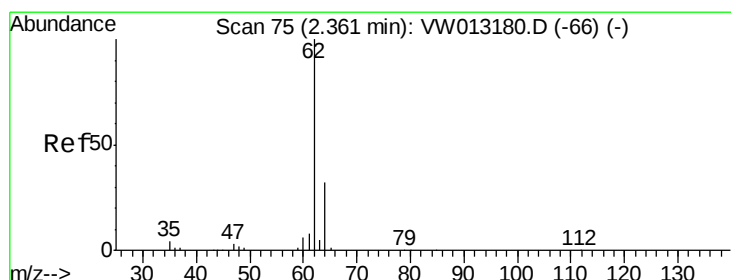
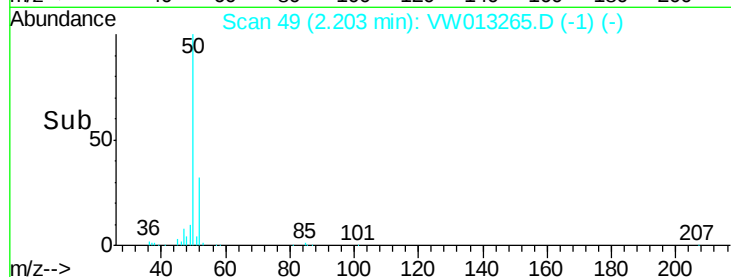
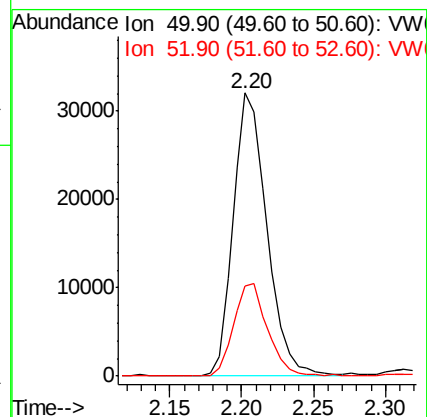
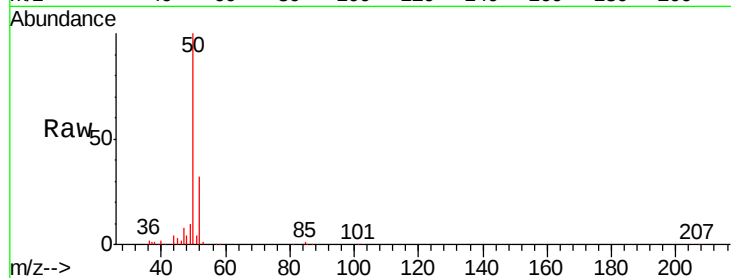
VSTDCCC050EC

Tgt Ion: 50 Resp: 52525

Ion Ratio Lower Upper

50 100

52 32.0 26.1 39.1



#4

Vinyl Chloride

Concen: 20.243 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013265.D

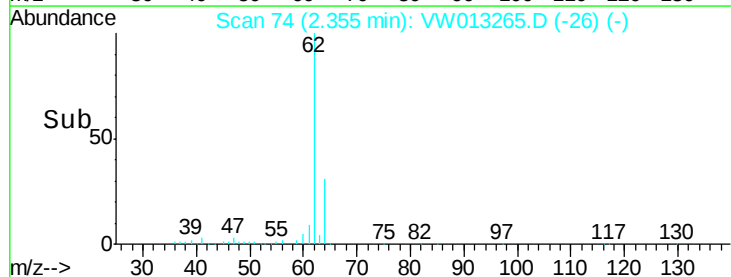
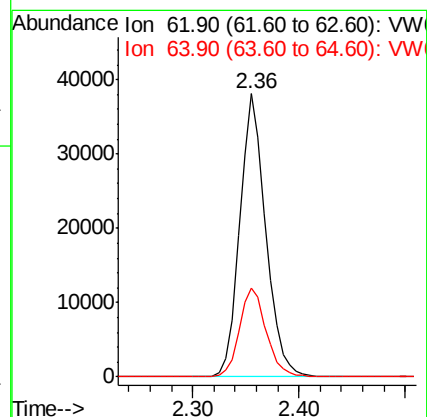
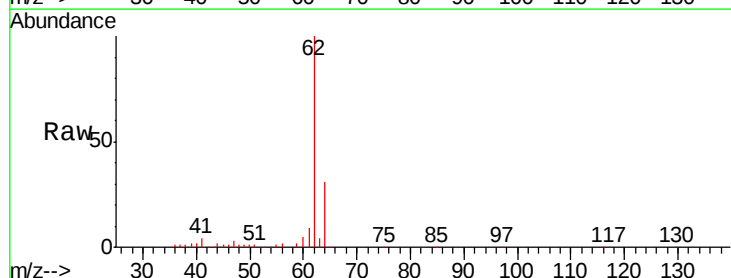
Acq: 24 Sep 2019 08:05

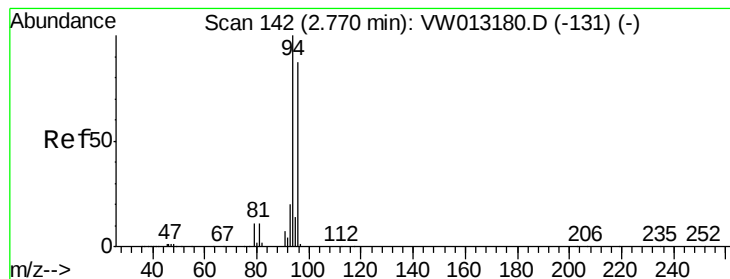
Tgt Ion: 62 Resp: 65389

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 20.005 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

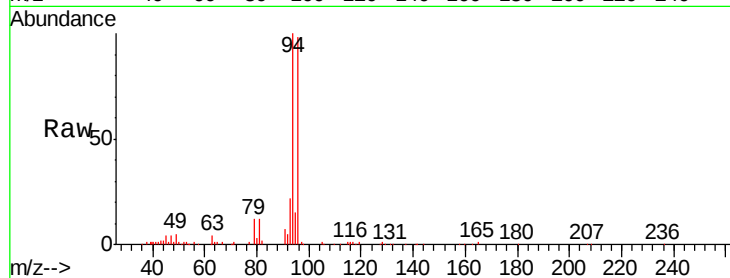
VSTDCCC050EC

Tgt Ion: 94 Resp: 40951

Ion Ratio Lower Upper

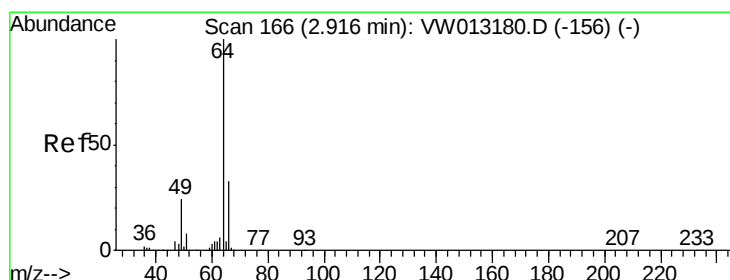
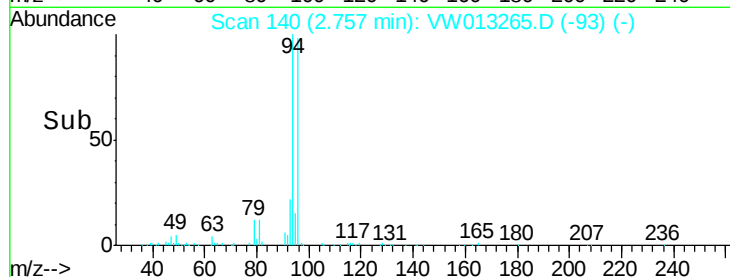
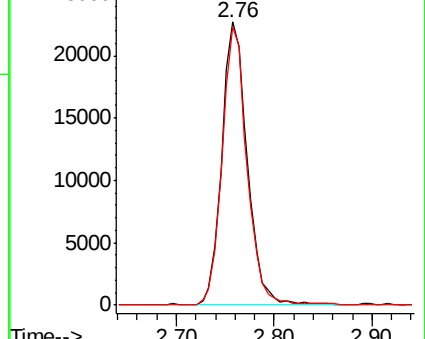
94 100

96 98.4 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.471 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013265.D

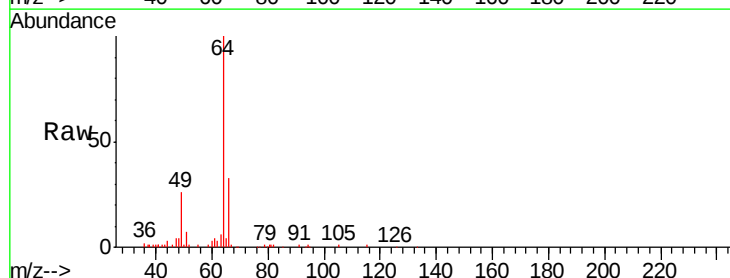
Acq: 24 Sep 2019 08:05

Tgt Ion: 64 Resp: 38978

Ion Ratio Lower Upper

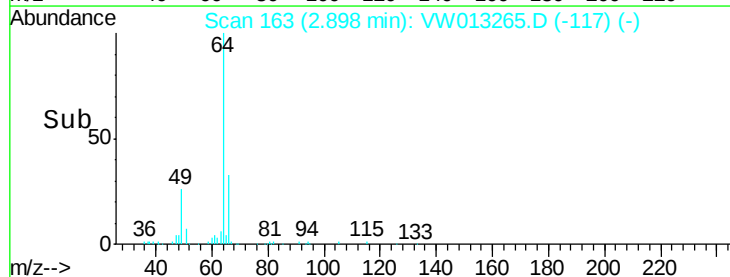
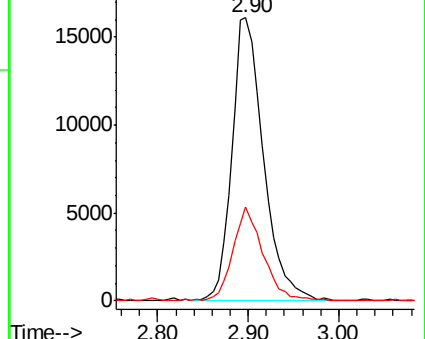
64 100

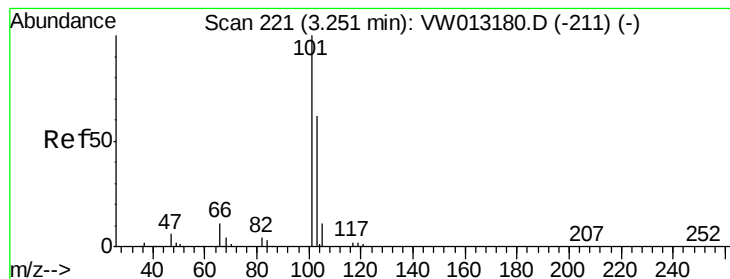
66 33.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



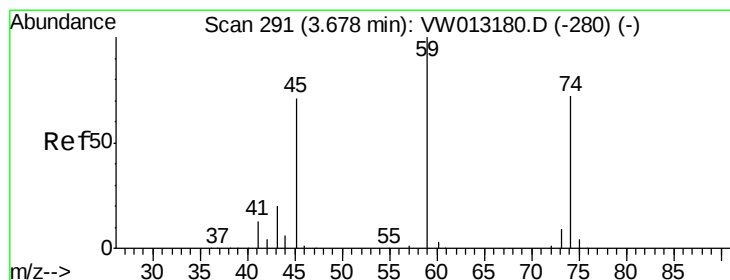
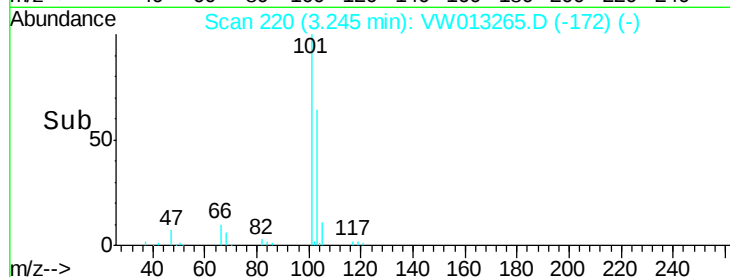
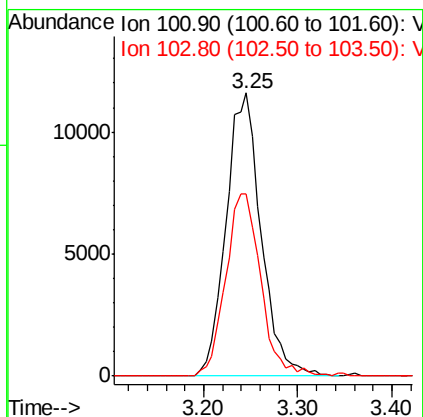
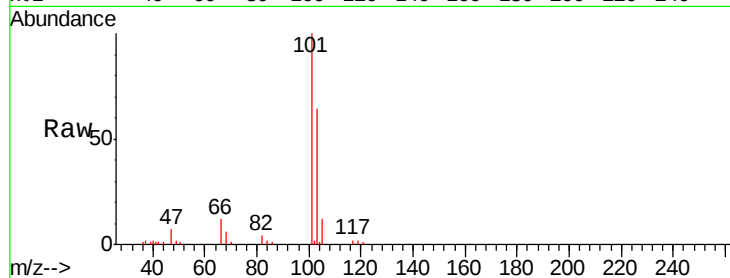


#7

Trichlorofluoromethane
Concen: 16.082 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013265.D
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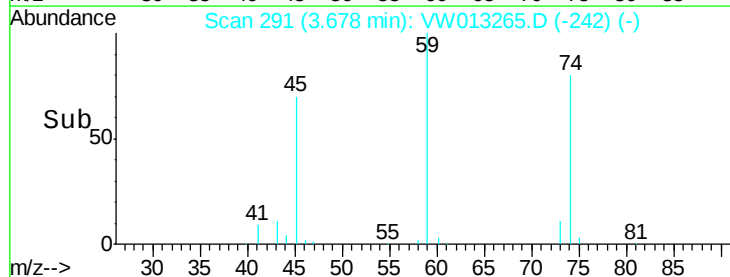
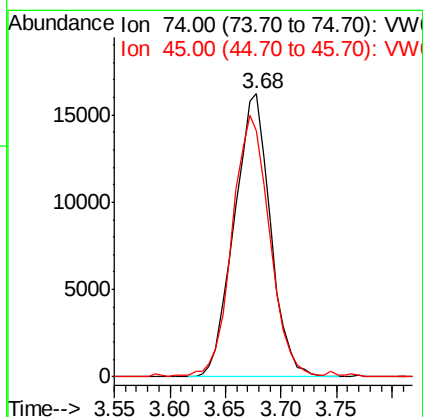
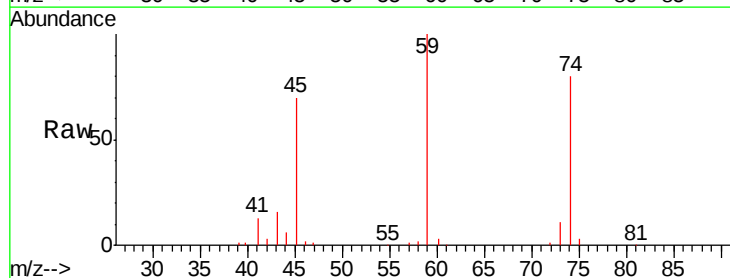
Tgt Ion: 101 Resp: 29955
Ion Ratio Lower Upper
101 100
103 64.2 49.7 74.5

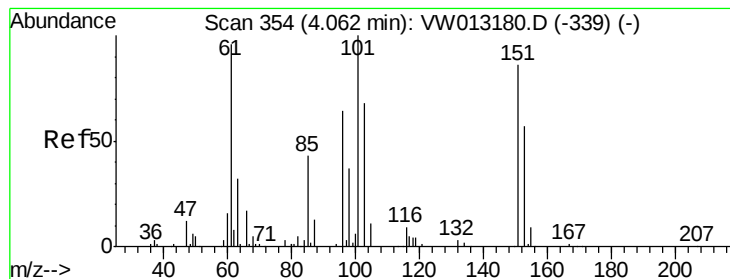


#8

Diethyl Ether
Concen: 22.934 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 74 Resp: 36487
Ion Ratio Lower Upper
74 100
45 96.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.791 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

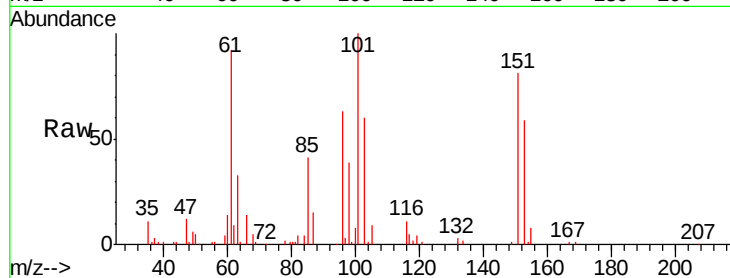
Tgt Ion:101 Resp: 60016

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

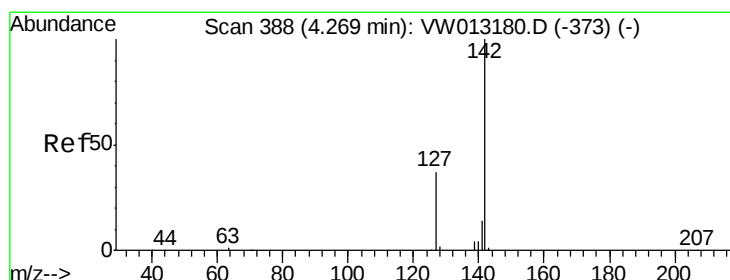
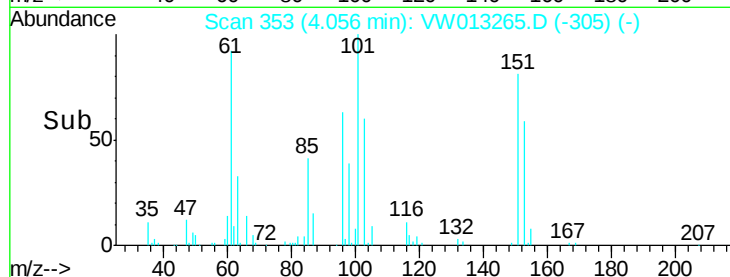
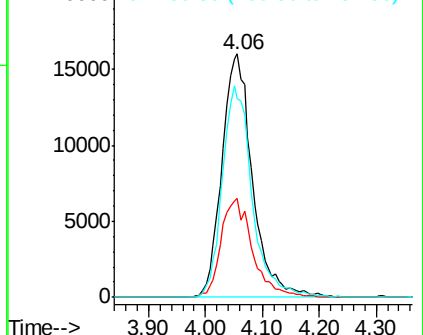
151 84.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.482 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

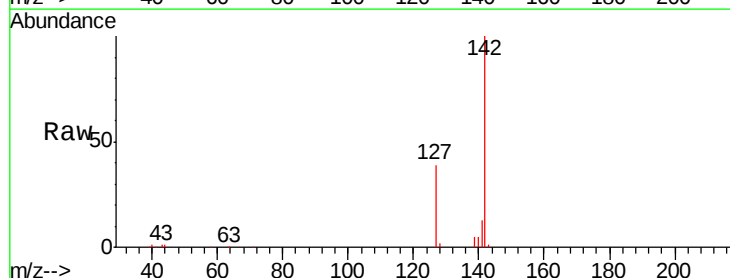
Tgt Ion:142 Resp: 96296

Ion Ratio Lower Upper

142 100

127 38.8 30.9 46.3

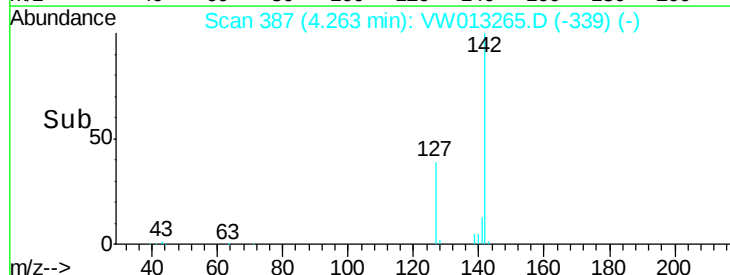
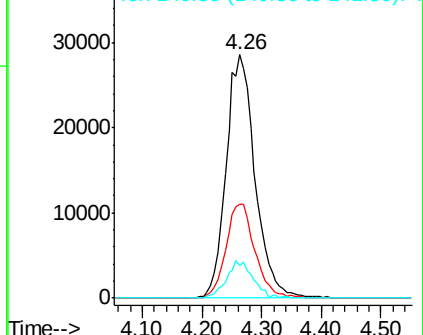
141 13.9 11.7 17.5

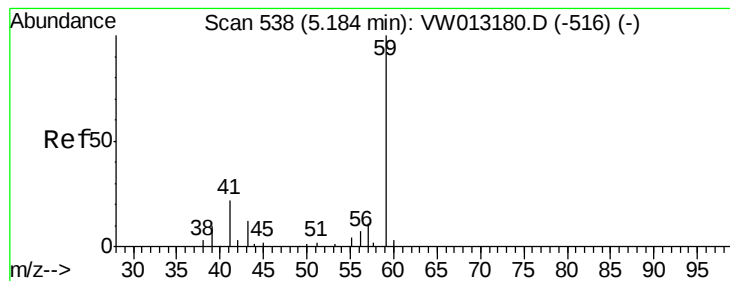


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



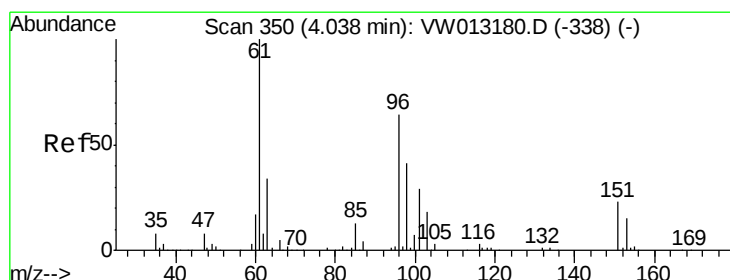
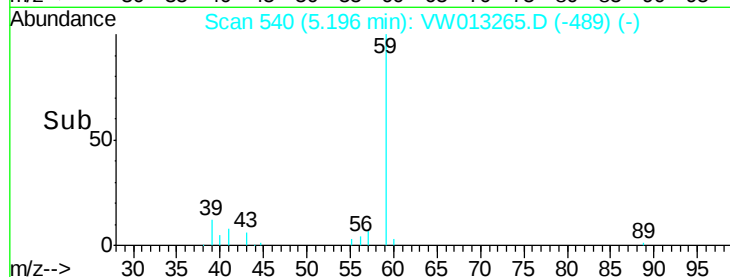
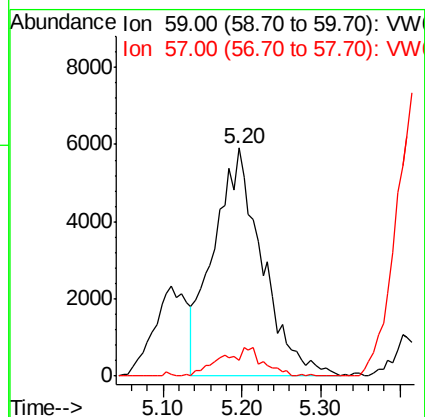
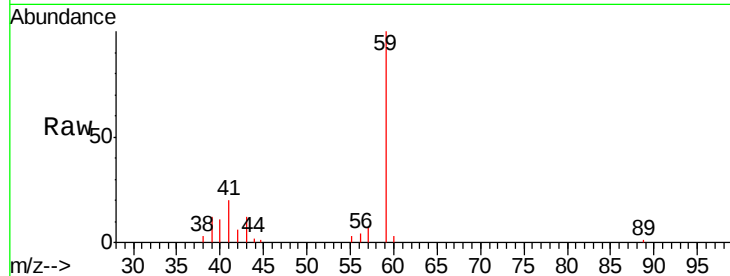


#11

Tert butyl alcohol
 Concen: 122.157 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

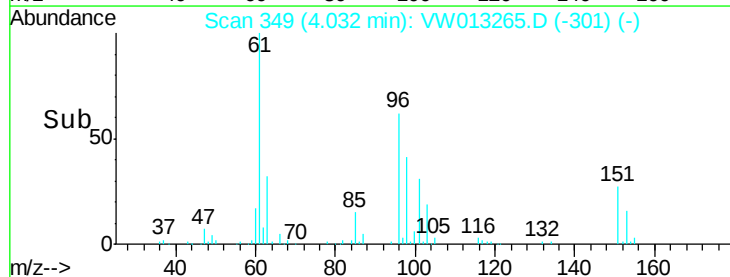
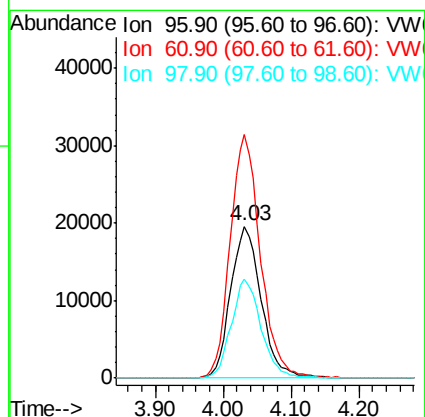
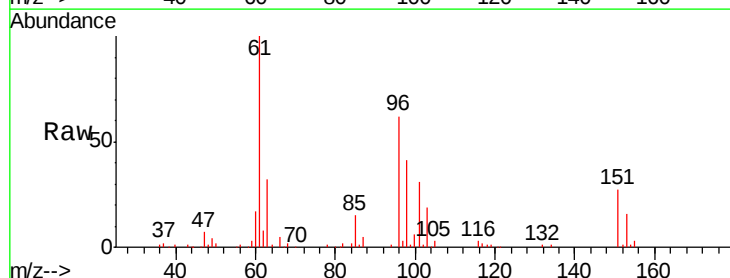
Tgt Ion: 59 Resp: 25277
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.2 12.2#

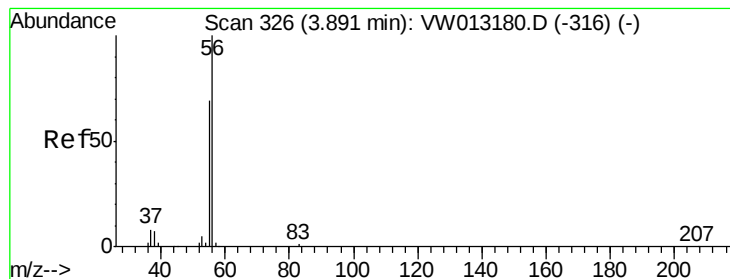


#12

1,1-Dichloroethene
 Concen: 19.363 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 96 Resp: 60804
 Ion Ratio Lower Upper
 96 100
 61 160.2 125.1 187.7
 98 65.0 50.8 76.2





#13

Acrolein

Concen: 65.838 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

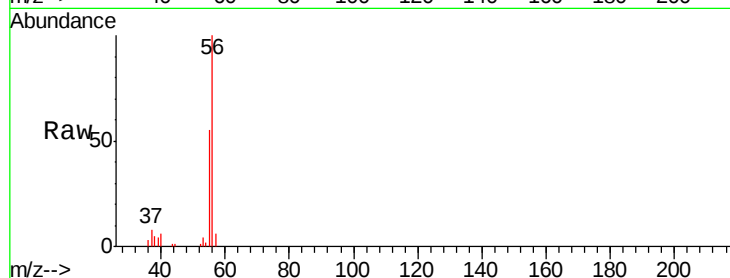
VSTDCCC050EC

Tgt Ion: 56 Resp: 10452

Ion Ratio Lower Upper

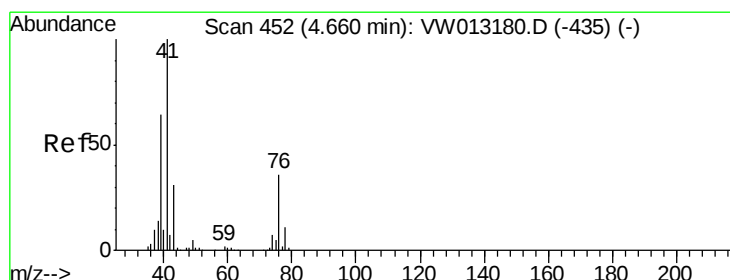
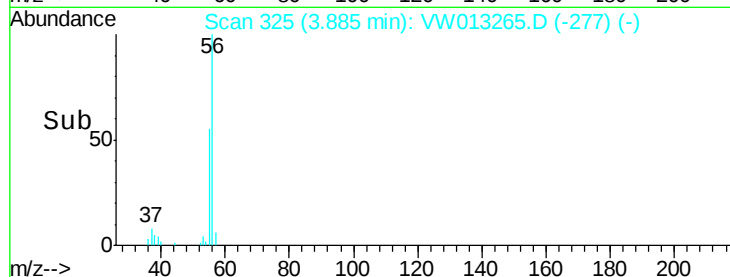
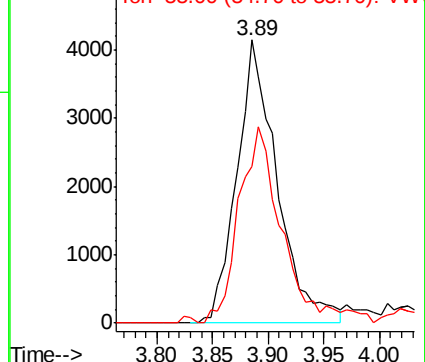
56 100

55 74.3 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.458 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

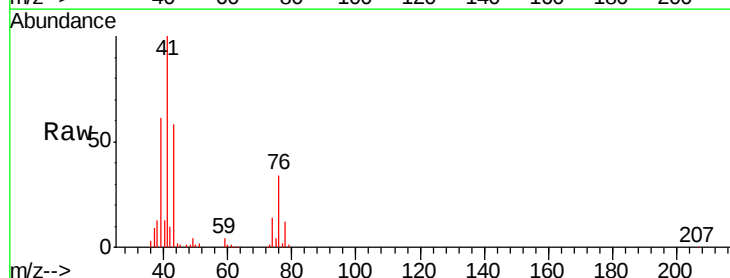
Tgt Ion: 41 Resp: 97245

Ion Ratio Lower Upper

41 100

39 62.5 51.0 76.4

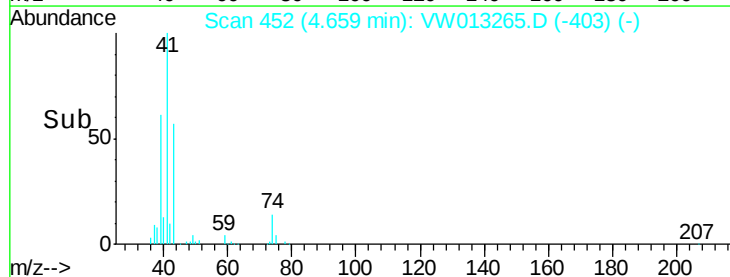
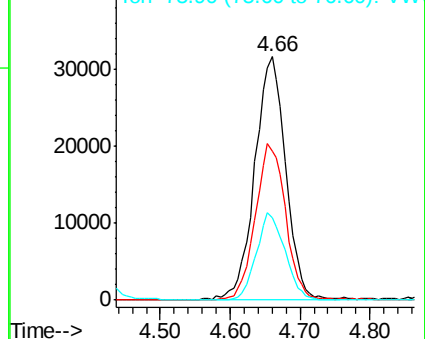
76 33.4 28.4 42.6

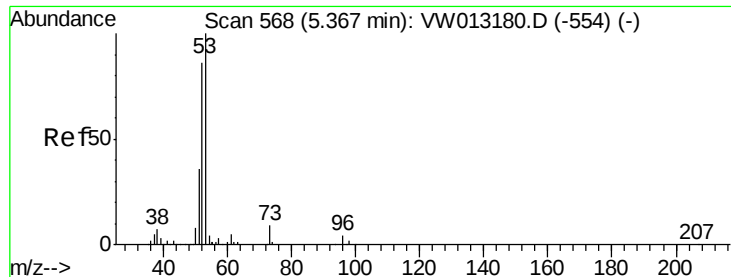


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 119.269 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

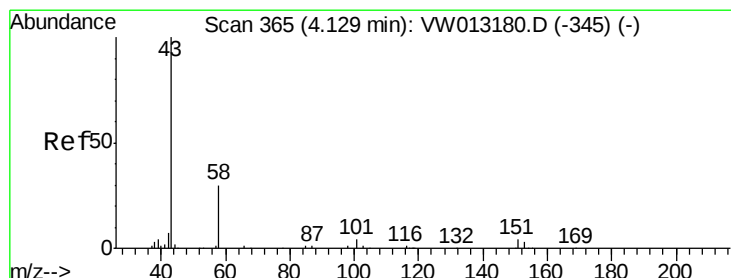
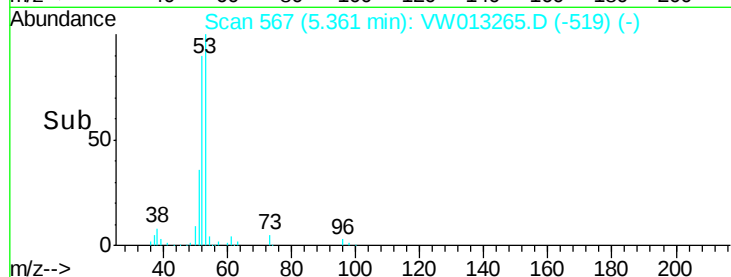
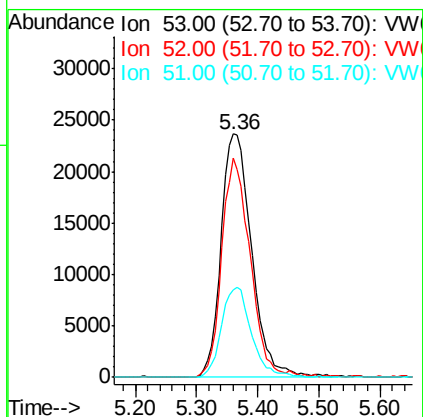
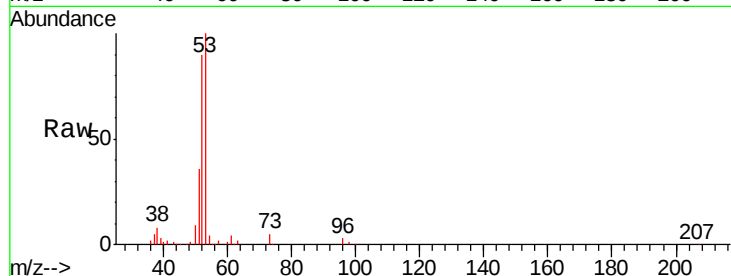
Tgt Ion: 53 Resp: 81901

Ion Ratio Lower Upper

53 100

52 82.7 65.3 97.9

51 36.3 29.0 43.4



#16

Acetone

Concen: 93.874 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013265.D

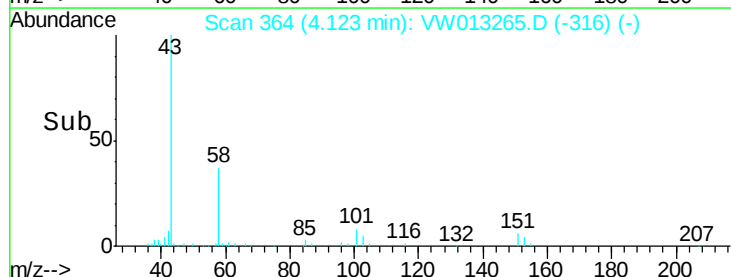
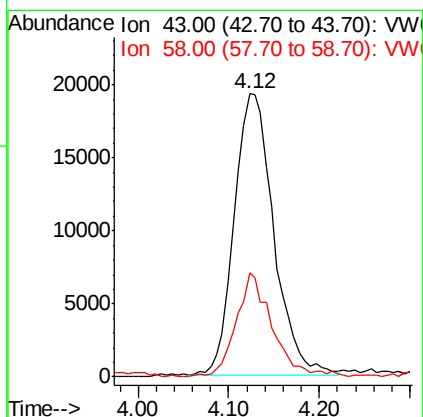
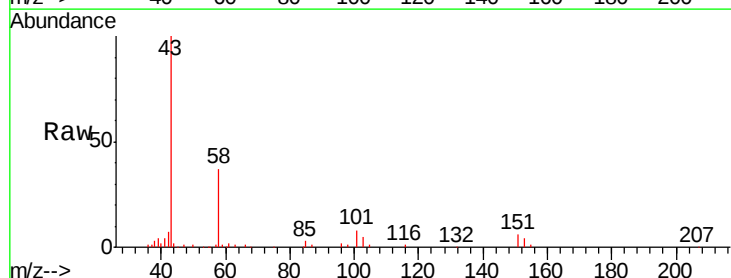
Acq: 24 Sep 2019 08:05

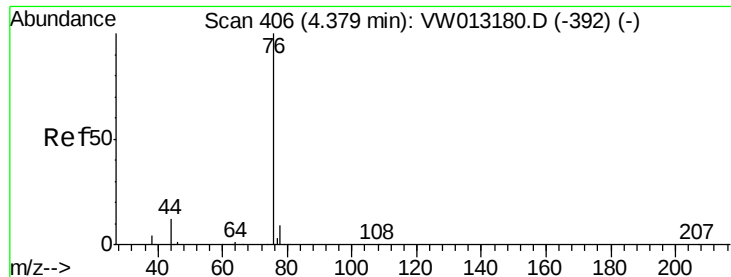
Tgt Ion: 43 Resp: 58381

Ion Ratio Lower Upper

43 100

58 37.1 24.1 36.1#





#17

Carbon Disulfide

Concen: 17.164 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

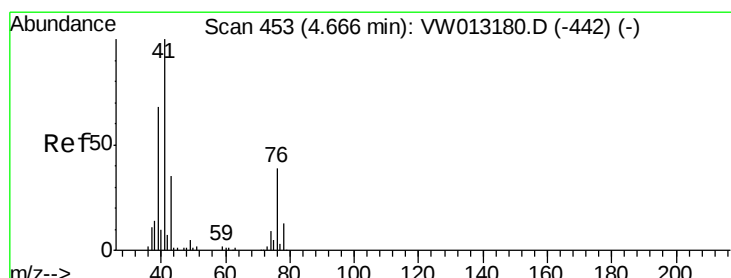
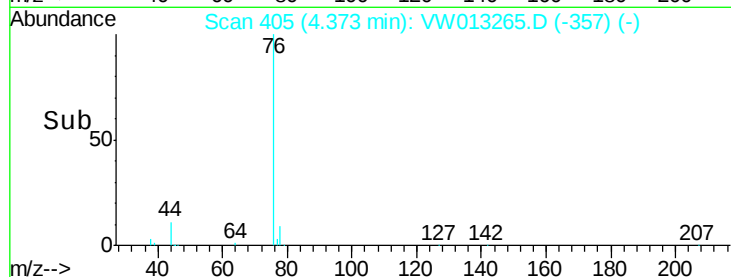
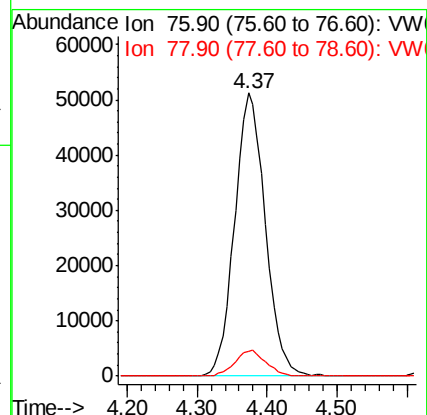
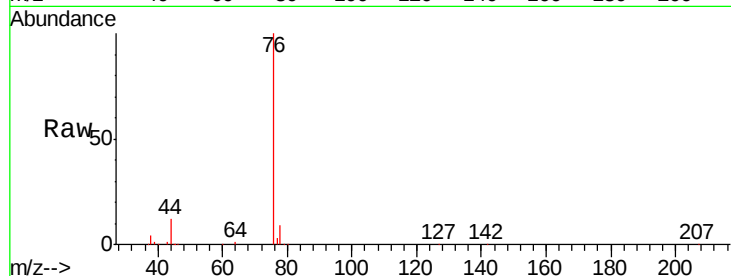
VSTDCCC050EC

Tgt Ion: 76 Resp: 155784

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



#18

Methyl Acetate

Concen: 32.756 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013265.D

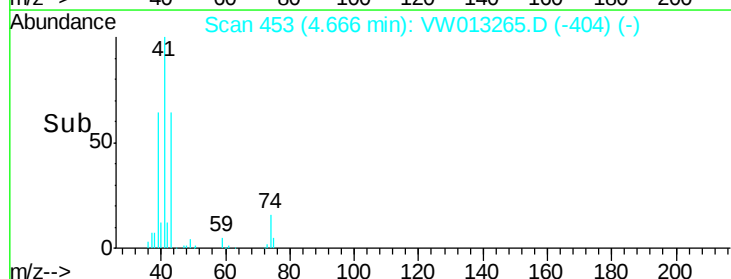
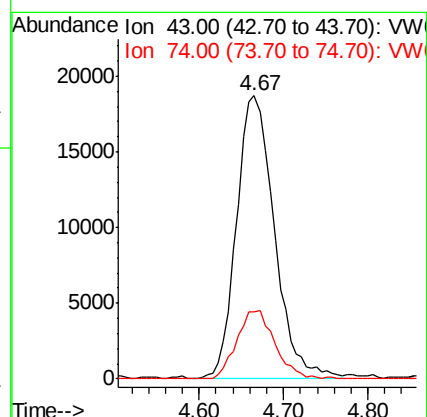
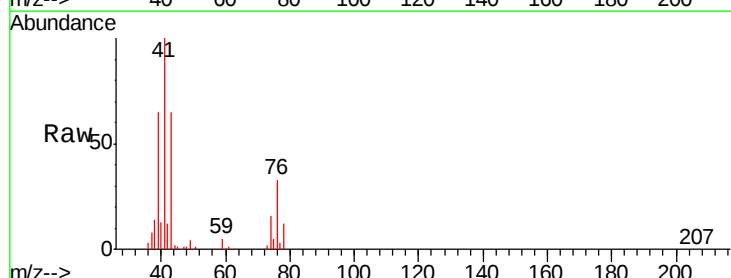
Acq: 24 Sep 2019 08:05

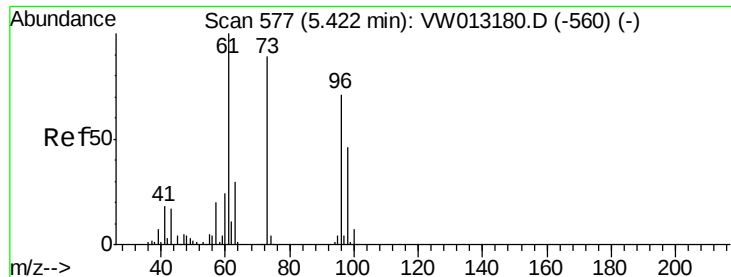
Tgt Ion: 43 Resp: 57263

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9

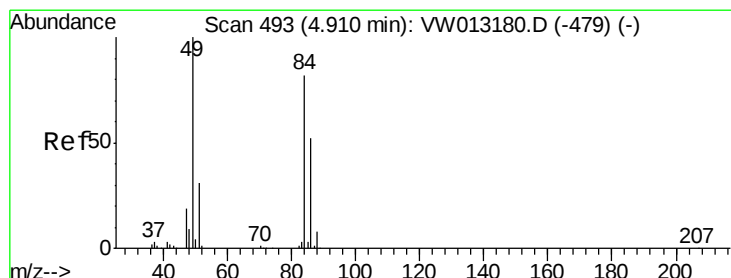
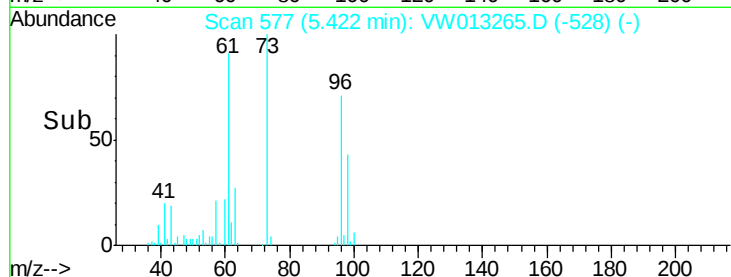
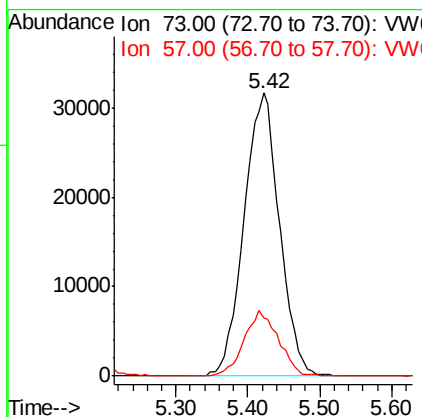
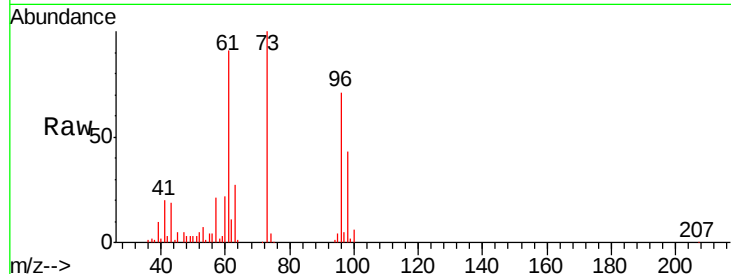




#19
Methyl tert-butyl Ether
Concen: 22.472 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

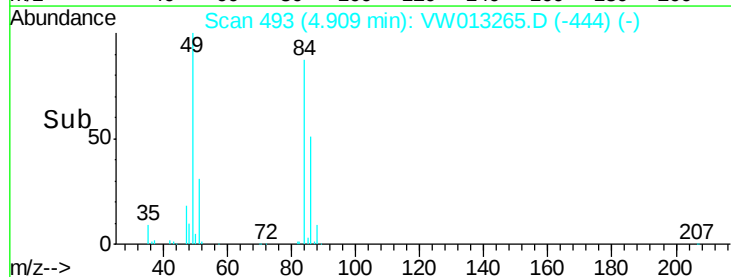
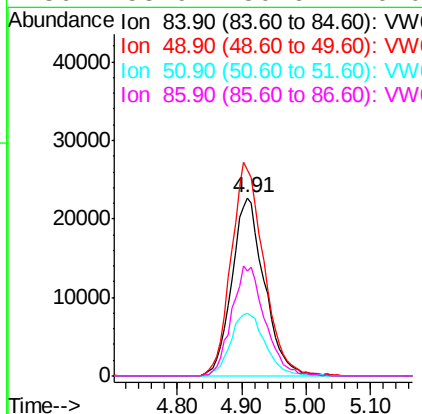
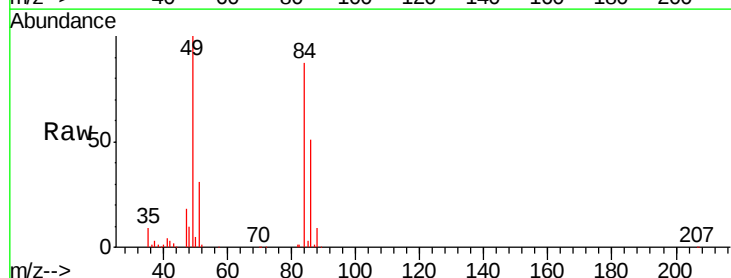
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

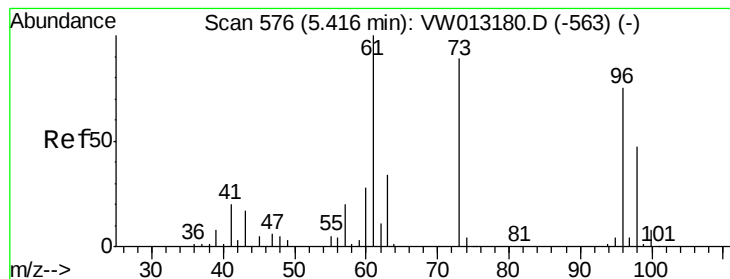
Tgt Ion: 73 Resp: 108152
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4



#20
Methylene Chloride
Concen: 23.571 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 84 Resp: 79853
Ion Ratio Lower Upper
84 100
49 115.3 97.6 146.4
51 35.4 30.2 45.2
86 58.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.860 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

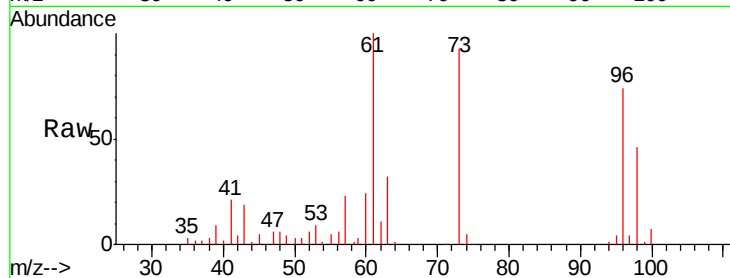
Tgt Ion: 96 Resp: 70799

Ion Ratio Lower Upper

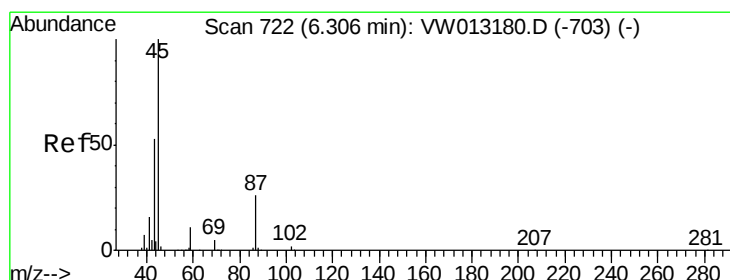
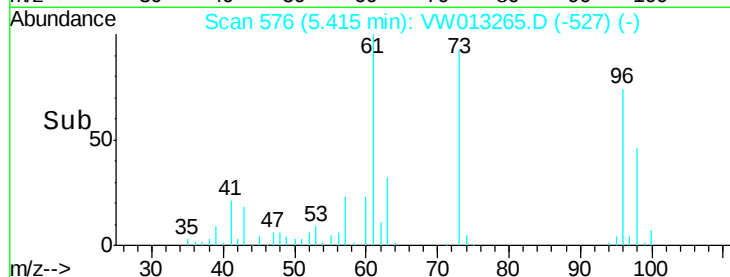
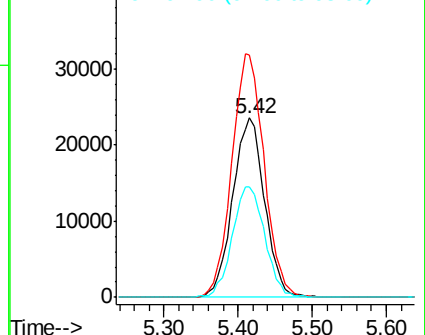
96 100

61 134.9 106.6 159.8

98 61.5 49.8 74.8



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: 21.504 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion: 45 Resp: 204366

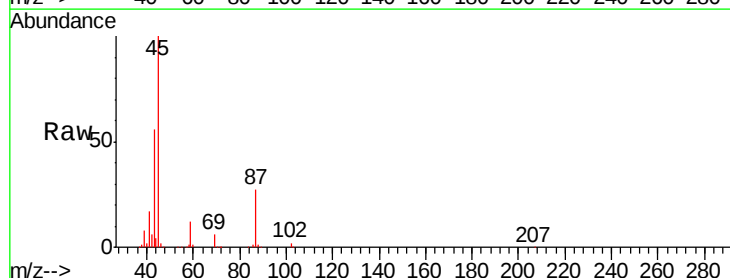
Ion Ratio Lower Upper

45 100

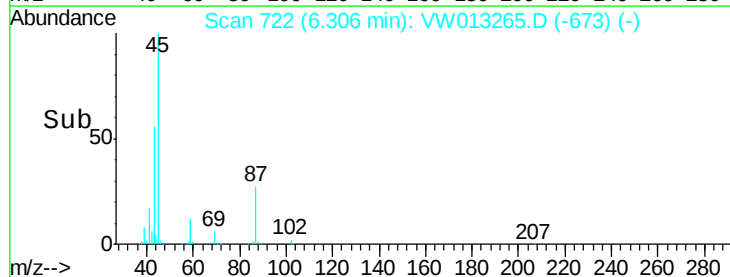
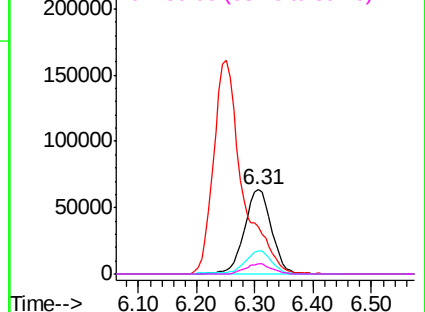
43 55.6 42.4 63.6

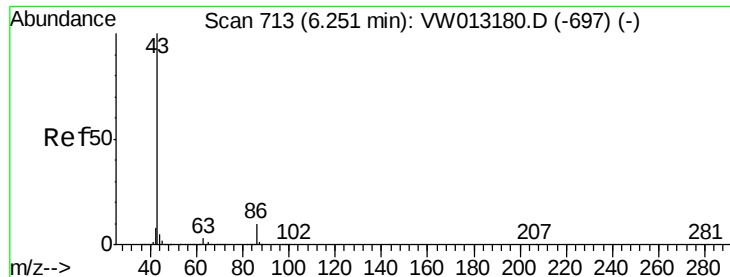
87 27.4 20.4 30.6

59 12.2 8.8 13.2



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

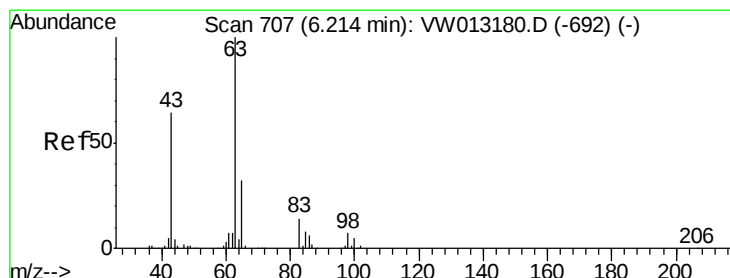
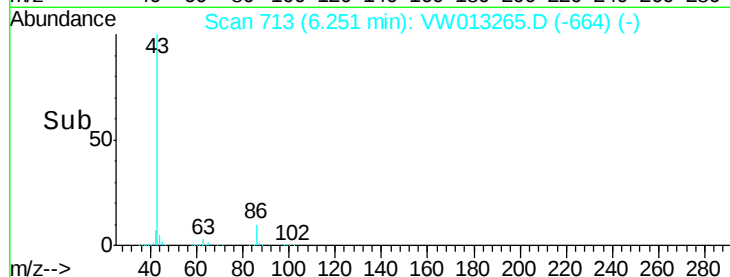
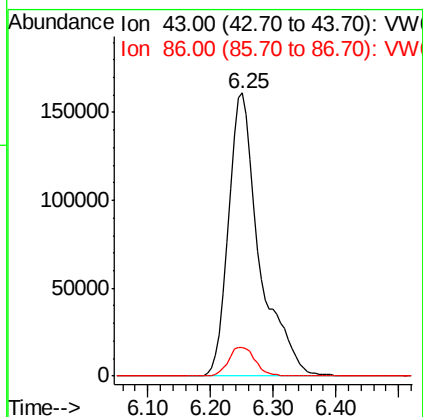
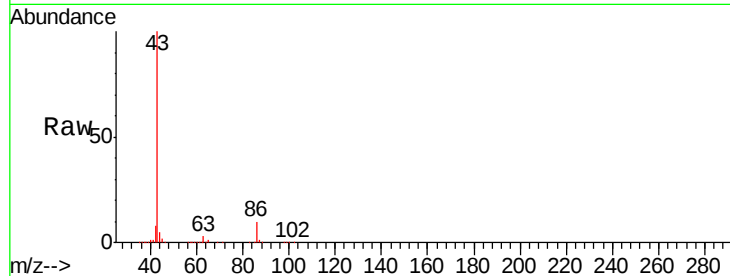




#23
 Vinyl Acetate
 Concen: 97.631 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

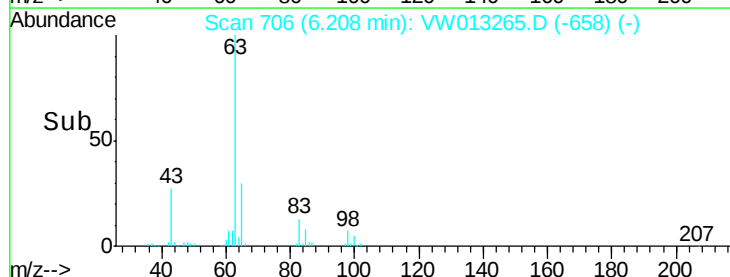
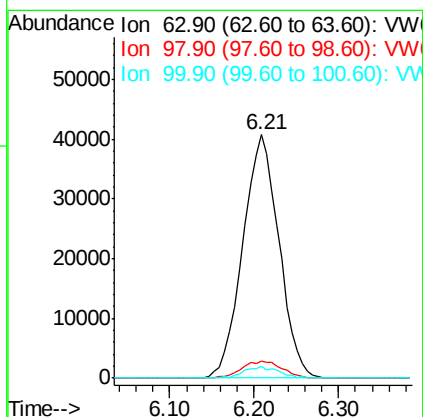
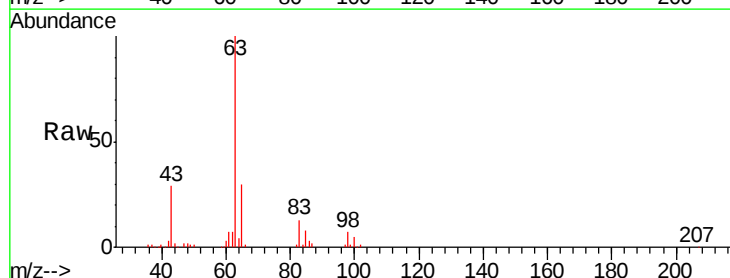
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

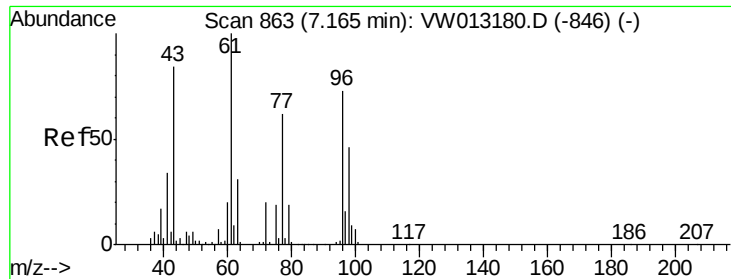
Tgt Ion: 43 Resp: 550437
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.741 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 63 Resp: 118941
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.8 2.4 7.1





#25

2-Butanone

Concen: 113.155 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

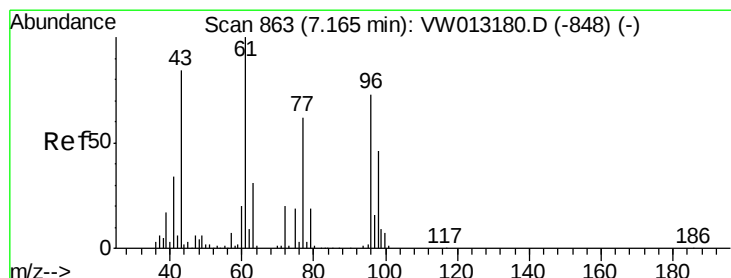
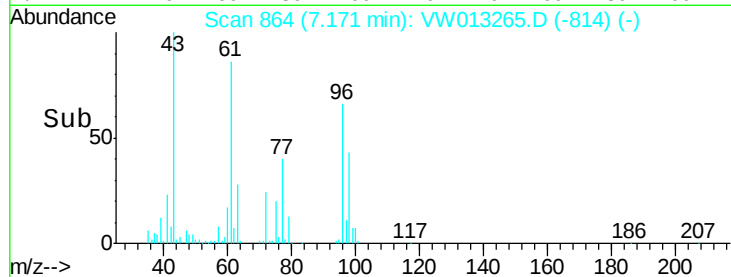
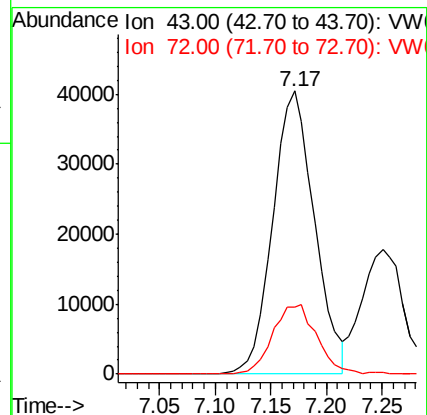
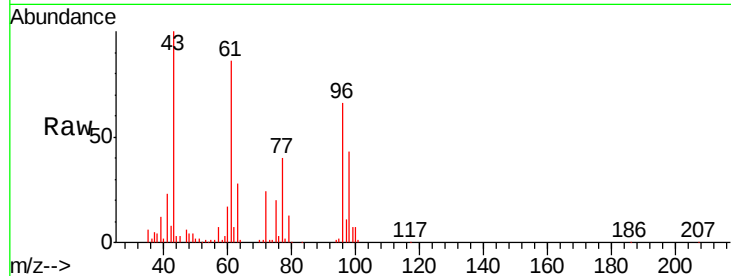
VSTDCCC050EC

Tgt Ion: 43 Resp: 105640

Ion Ratio Lower Upper

43 100

72 23.6 19.4 29.0



#26

2,2-Dichloropropane

Concen: 14.763 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013265.D

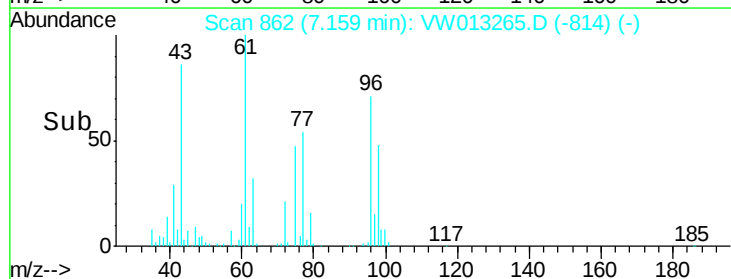
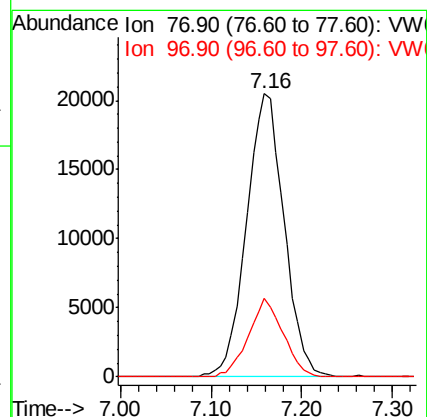
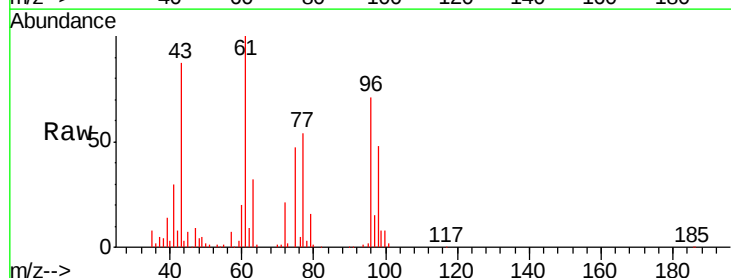
Acq: 24 Sep 2019 08:05

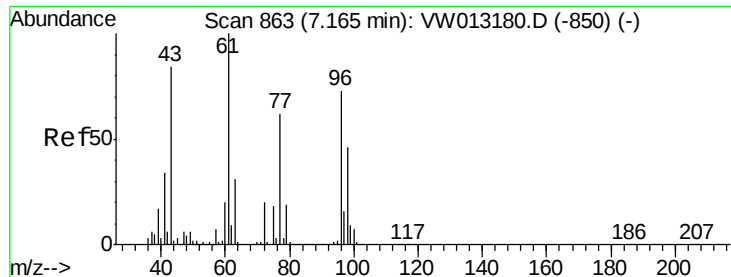
Tgt Ion: 77 Resp: 58710

Ion Ratio Lower Upper

77 100

97 25.6 11.8 35.4



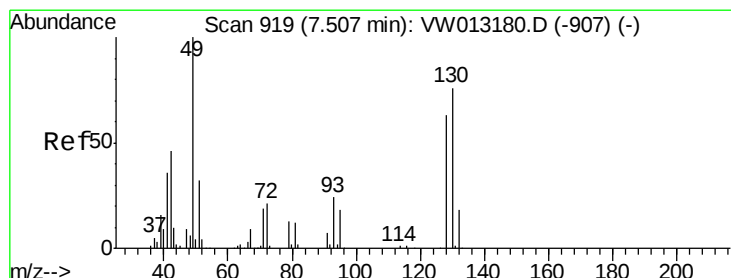
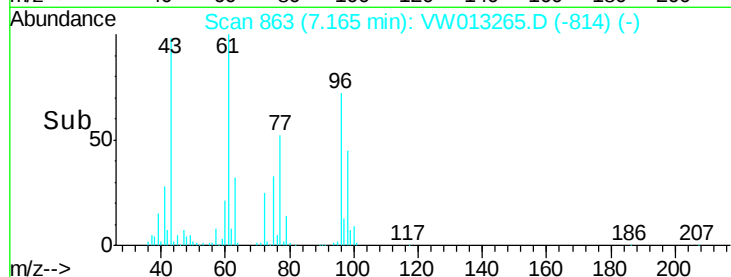
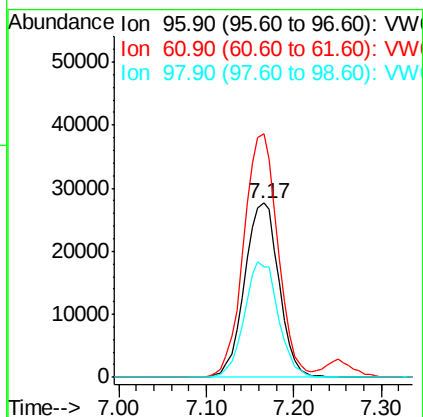
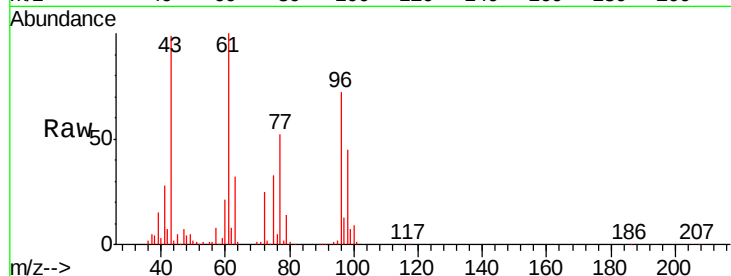


#27

cis-1,2-Dichloroethene
 Concen: 21.070 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

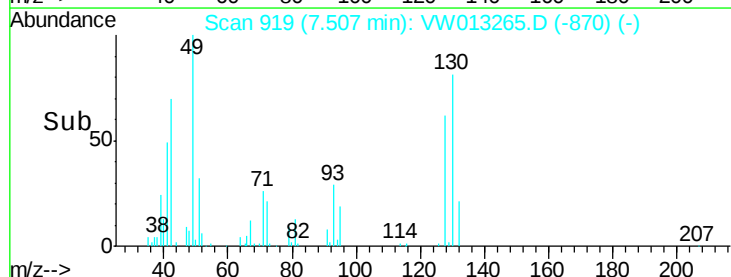
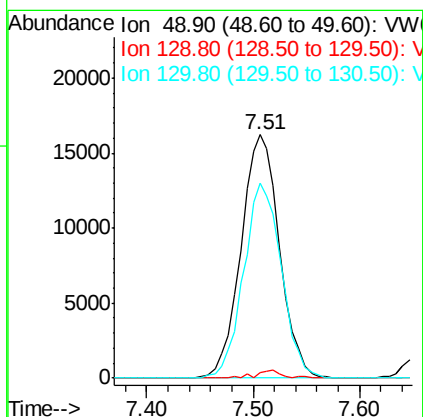
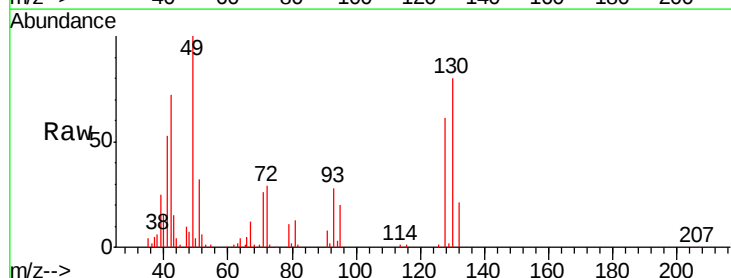
Tgt Ion: 96 Resp: 75466
 Ion Ratio Lower Upper
 96 100
 61 138.9 0.0 282.4
 98 65.6 0.0 128.2



#28

Bromochloromethane
 Concen: 18.639 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 49 Resp: 41024
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 1.0#
 130 78.8 63.4 95.2

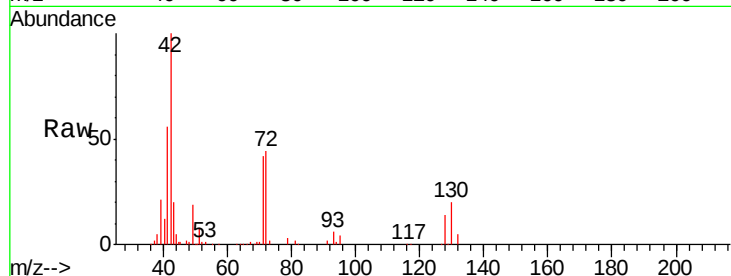




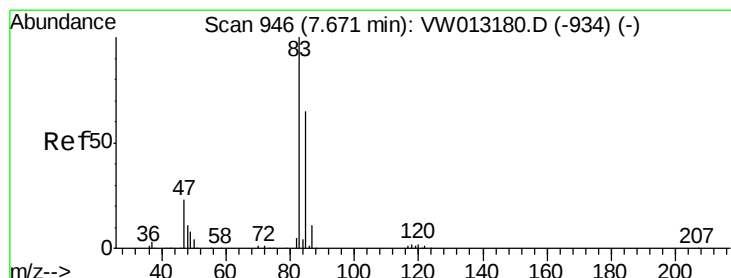
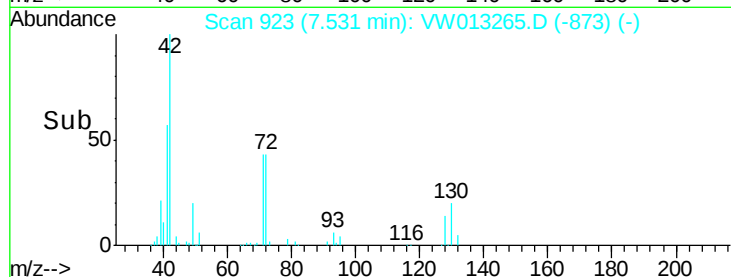
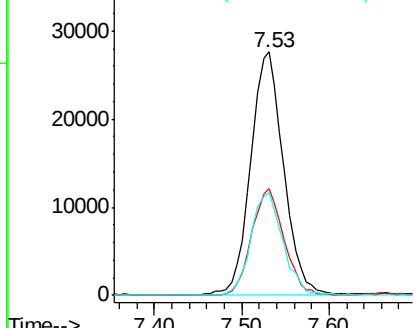
#29
Tetrahydrofuran
Concen: 126.405 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 72372
Ion Ratio Lower Upper
42 100
72 43.2 33.9 50.9
71 41.3 31.9 47.9

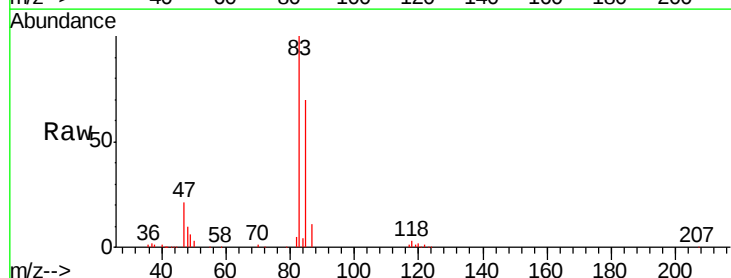


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

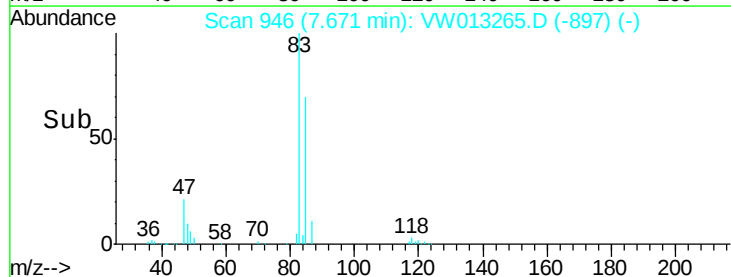
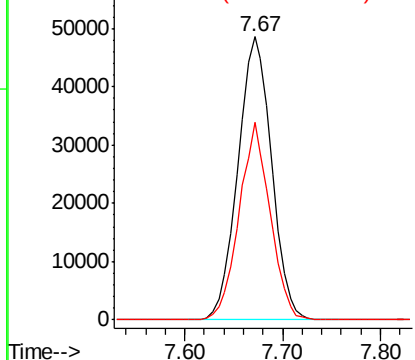


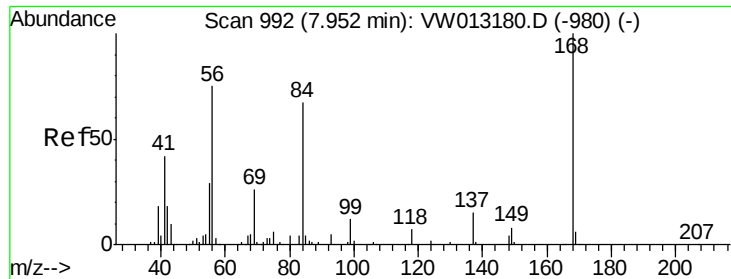
#30
Chloroform
Concen: 20.604 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 83 Resp: 115679
Ion Ratio Lower Upper
83 100
85 69.9 52.3 78.5



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

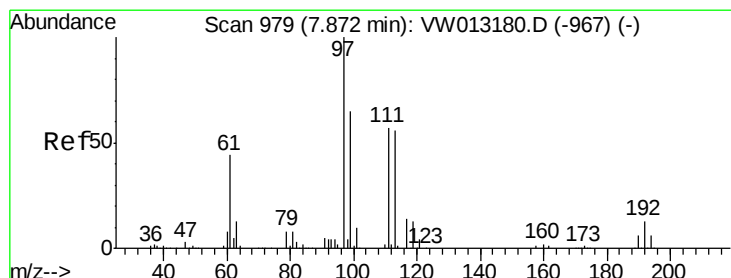
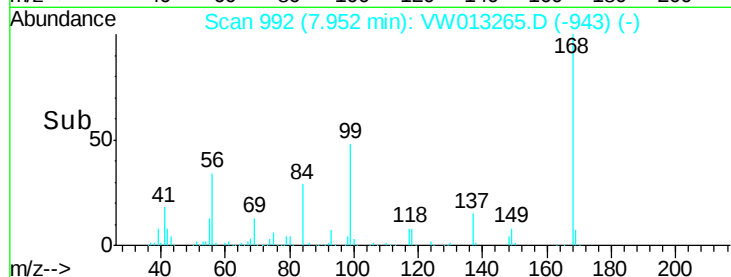
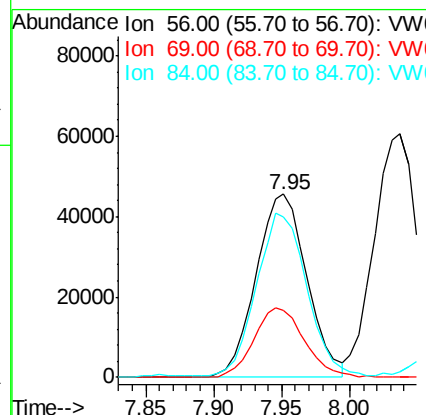
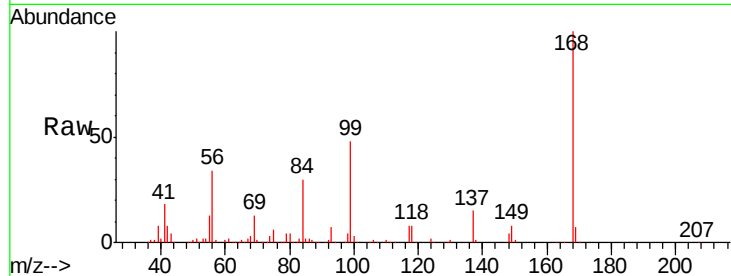




#31
Cyclohexane
Concen: 19.912 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

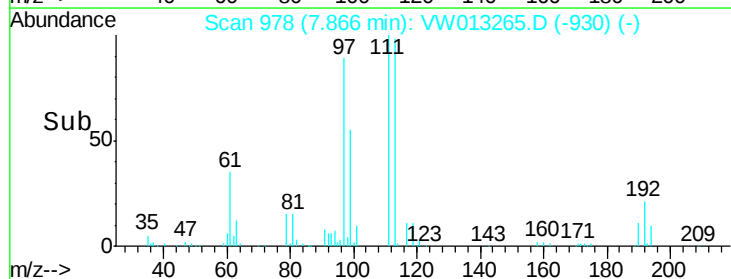
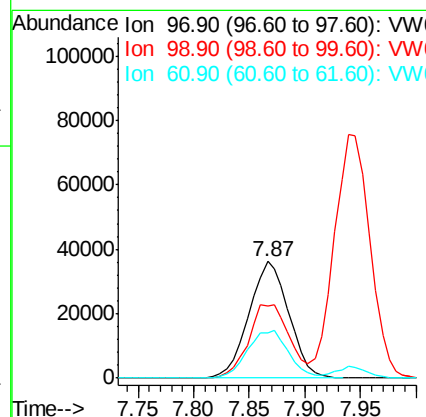
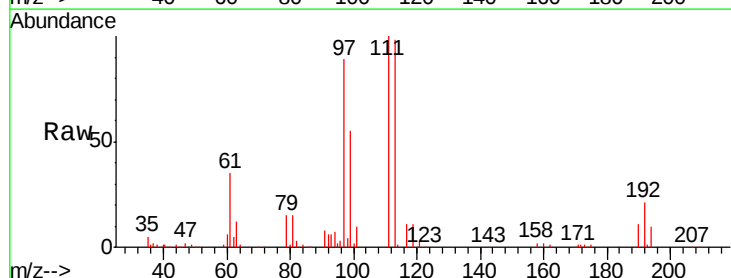
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

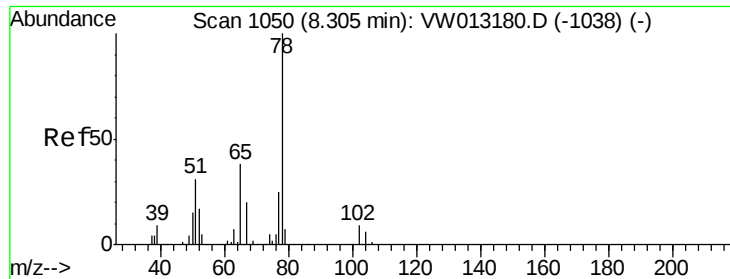
Tgt Ion: 56 Resp: 119029
Ion Ratio Lower Upper
56 100
69 36.7 27.2 40.8
84 86.7 70.8 106.2



#32
1,1,1-Trichloroethane
Concen: 19.819 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 97 Resp: 90122
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 42.1 34.6 51.8

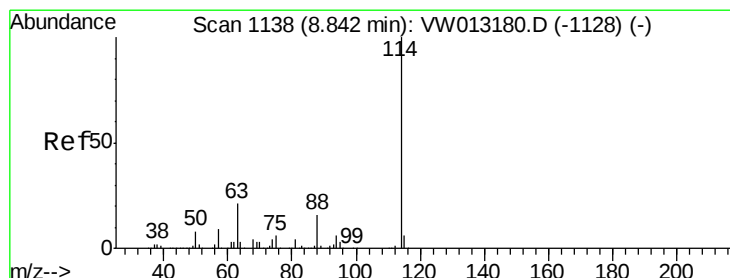
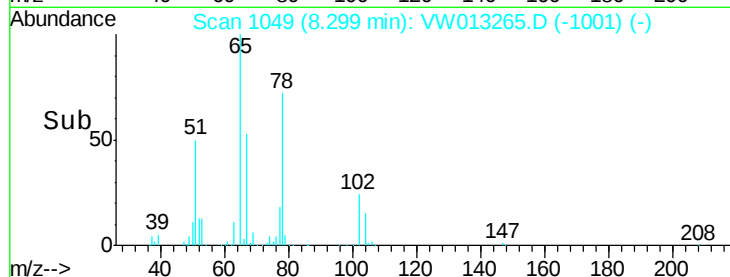
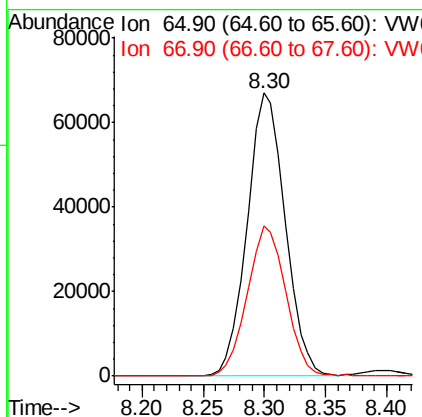
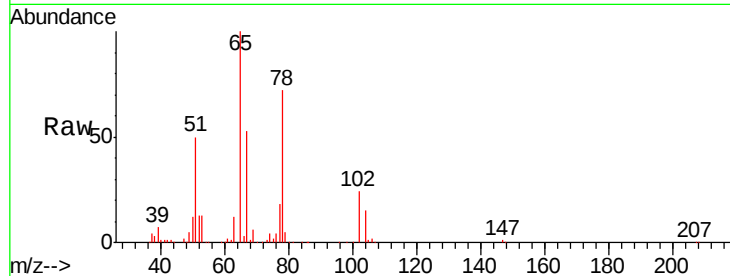




#33
 1,2-Dichloroethane-d4
 Concen: 52.694 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

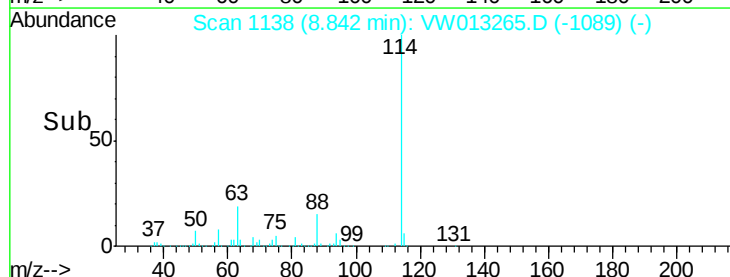
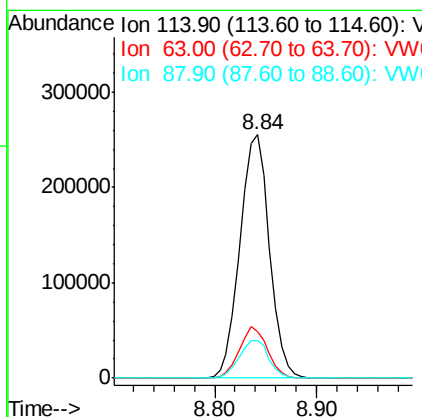
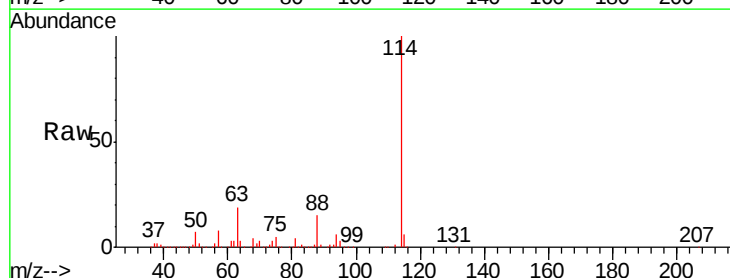
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

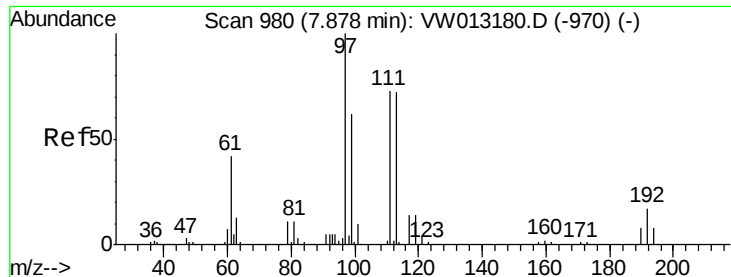
Tgt Ion: 65 Resp: 145319
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 114 Resp: 512305
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.926 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

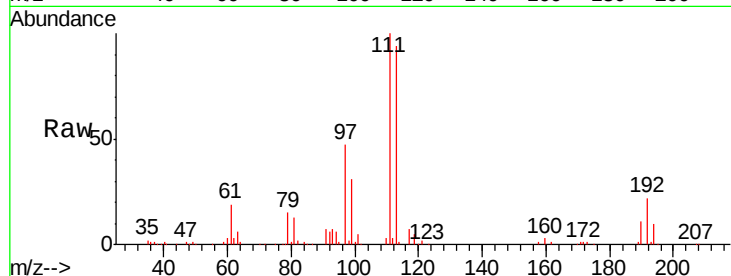
Tgt Ion: 113 Resp: 137859

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

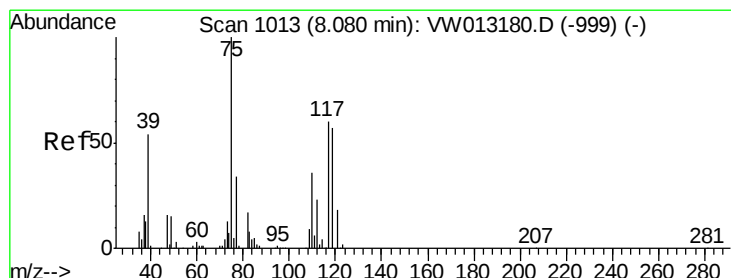
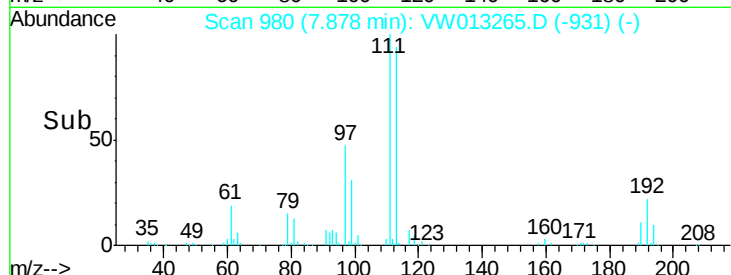
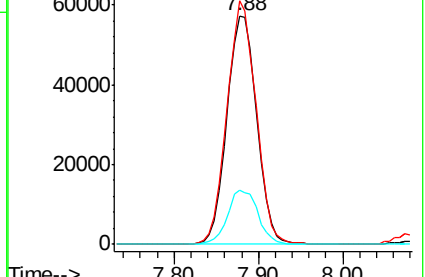
192 24.0 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.034 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

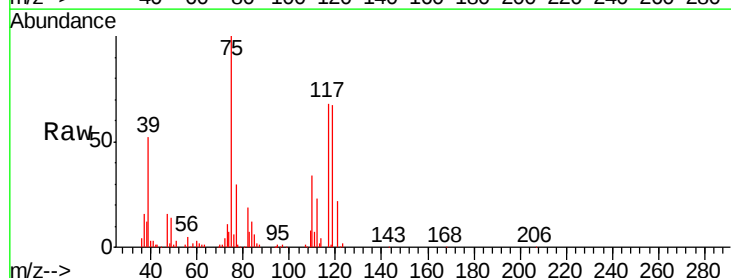
Tgt Ion: 75 Resp: 94447

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.3

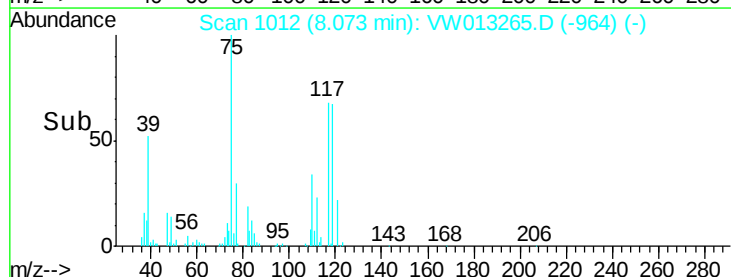
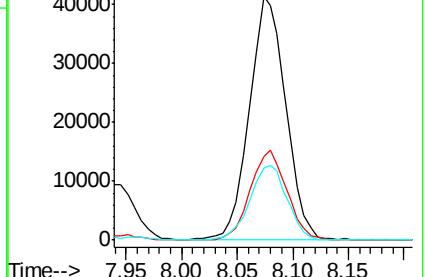
77 31.6 25.8 38.6

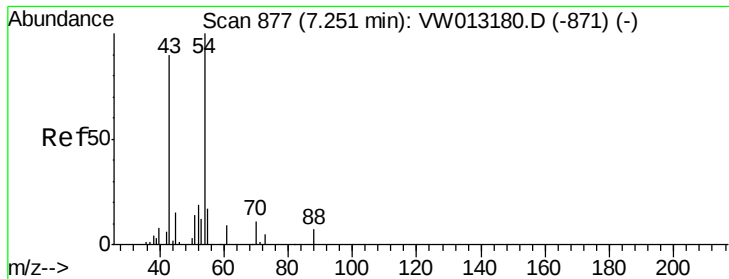


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 22.097 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

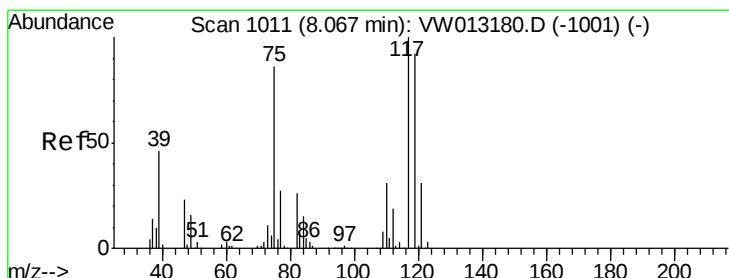
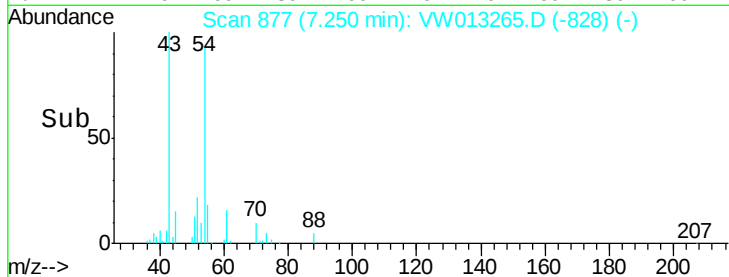
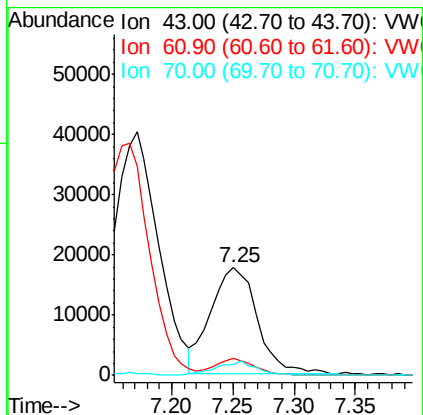
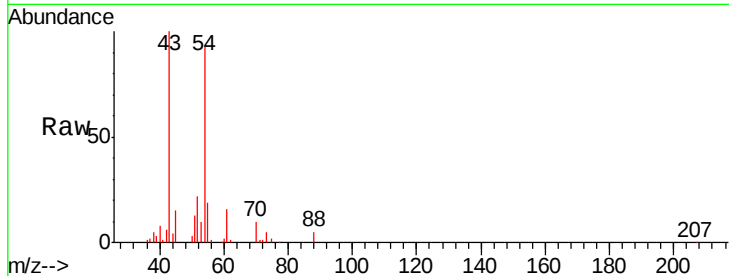
Tgt Ion: 43 Resp: 46599

Ion Ratio Lower Upper

43 100

61 13.8 10.9 16.3

70 11.2 8.2 12.2



#38

Carbon Tetrachloride

Concen: 18.508 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

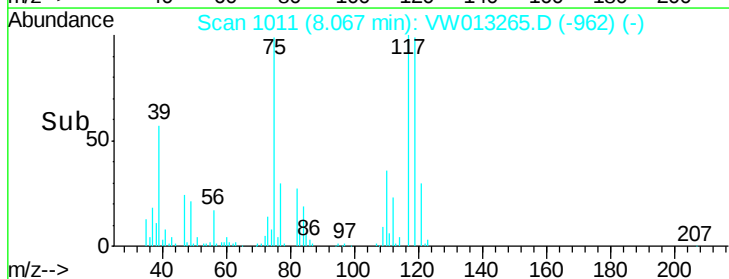
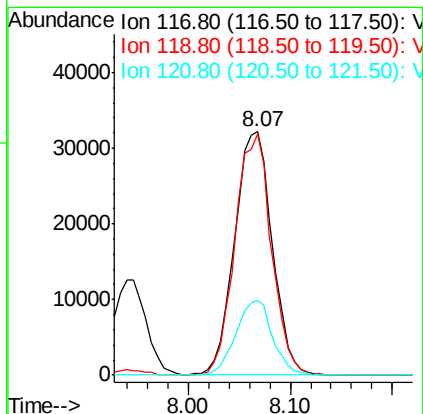
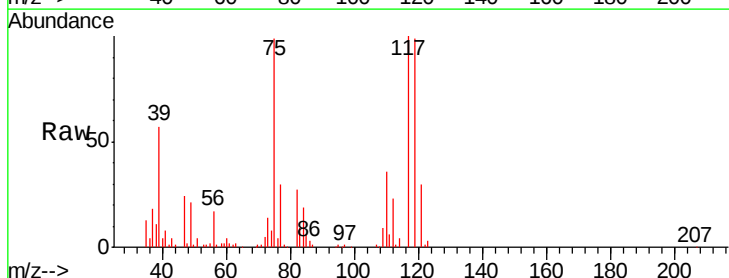
Tgt Ion: 117 Resp: 82324

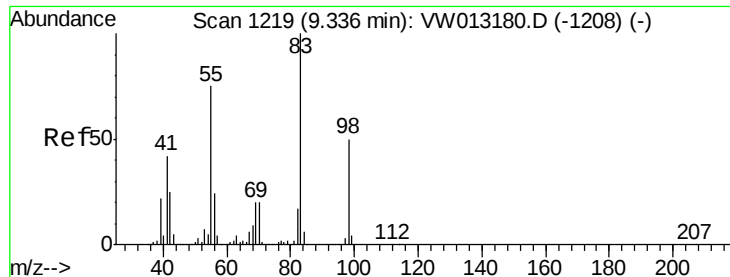
Ion Ratio Lower Upper

117 100

119 98.8 73.5 110.3

121 30.5 25.0 37.6

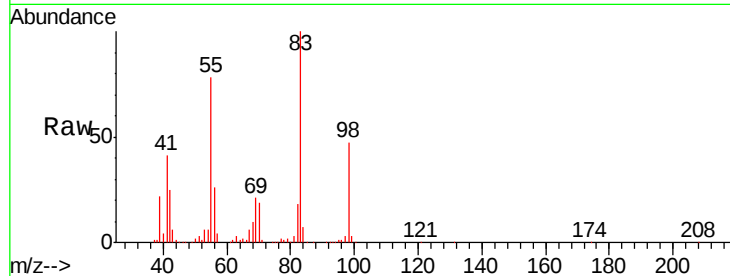




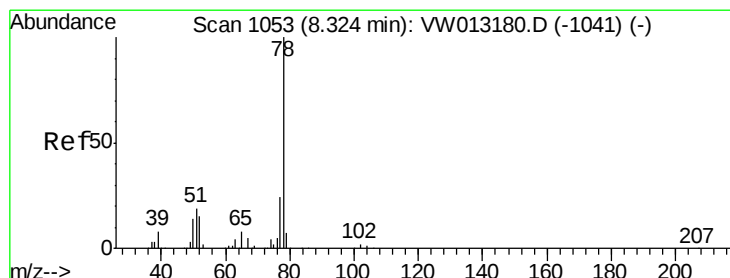
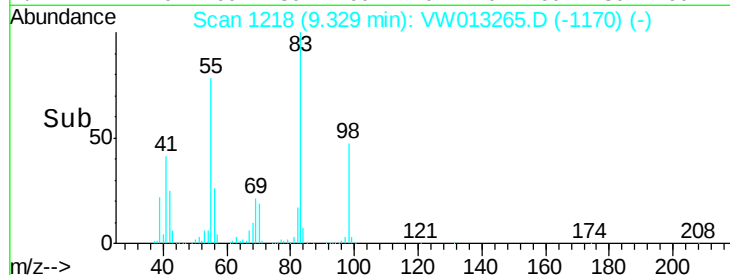
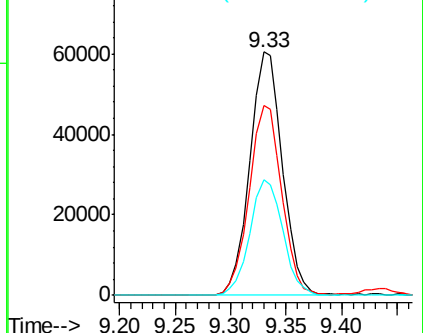
#39
Methylcyclohexane
Concen: 19.414 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 123800
Ion Ratio Lower Upper
83 100
55 77.6 60.4 90.6
98 47.4 40.0 60.0

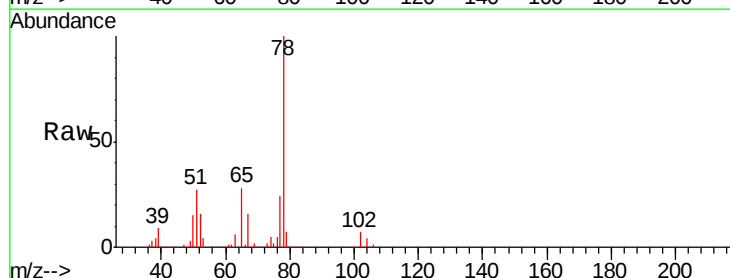


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

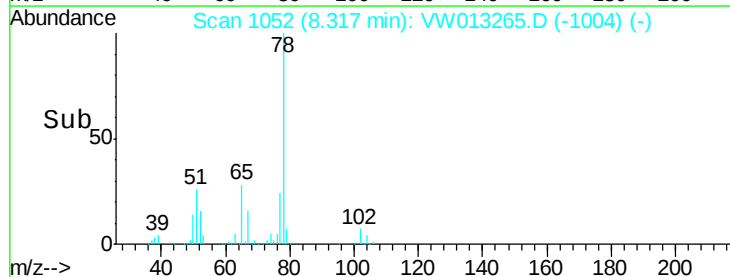
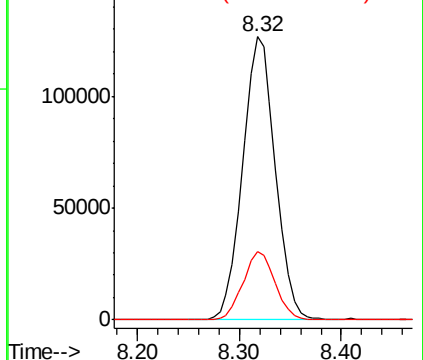


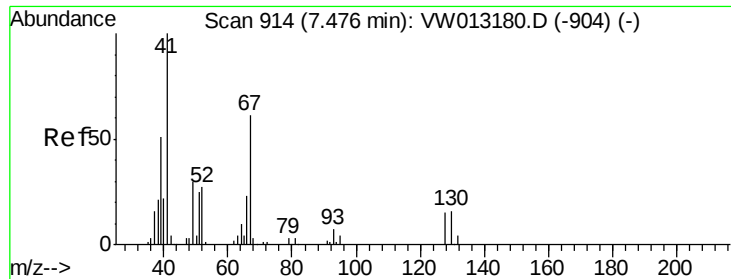
#40
Benzene
Concen: 20.292 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 78 Resp: 280849
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7



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





#41

Methacrylonitrile

Concen: 26.051 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 32789

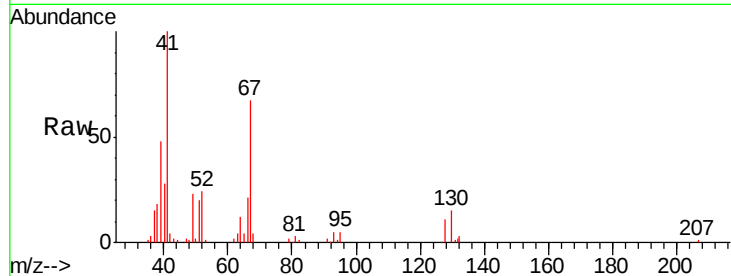
Ion Ratio Lower Upper

41 100

39 47.1 45.9 68.9

67 59.7 54.5 81.7

52 24.7 22.5 33.7

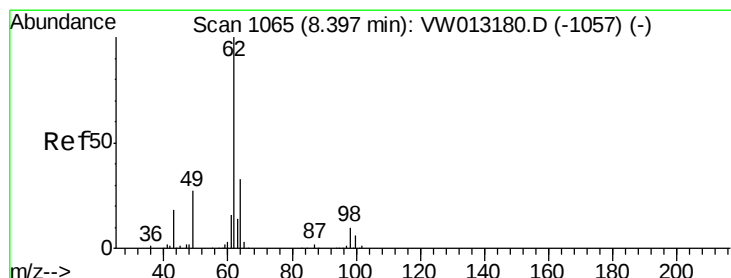
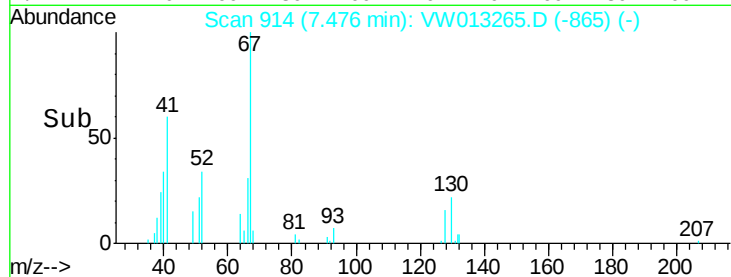
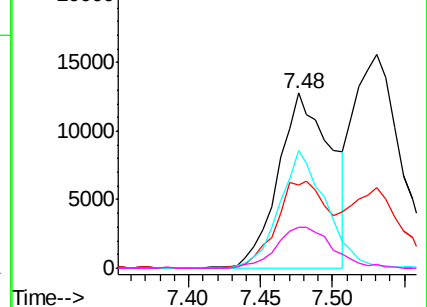


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.182 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013265.D

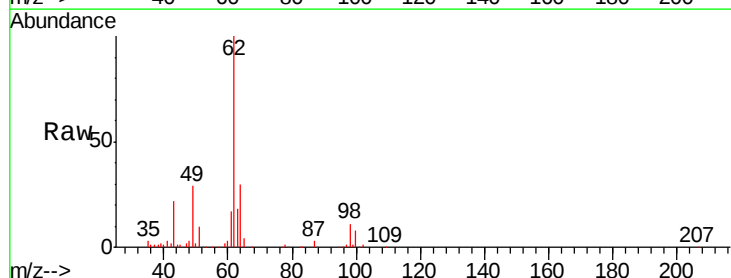
Acq: 24 Sep 2019 08:05

Tgt Ion: 62 Resp: 75089

Ion Ratio Lower Upper

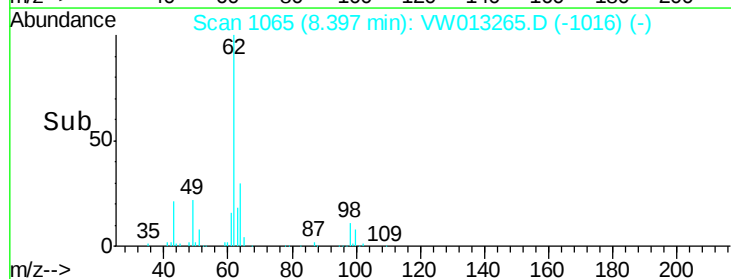
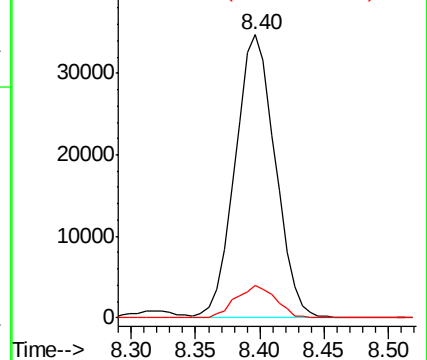
62 100

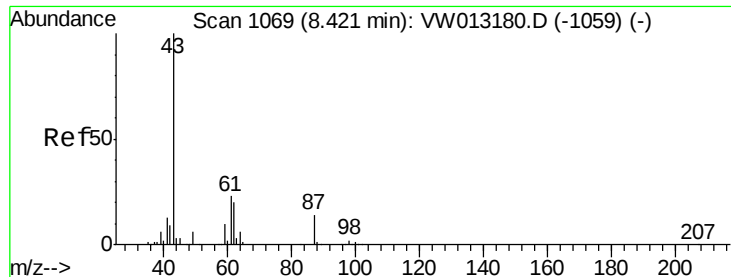
98 11.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.779 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

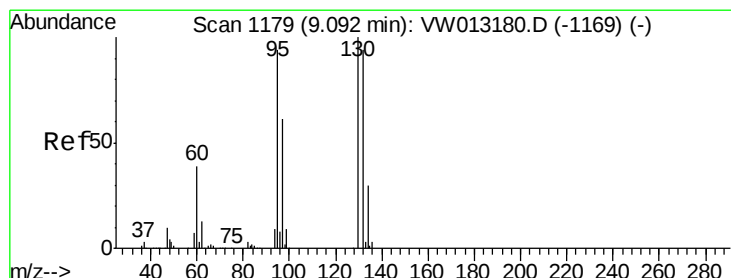
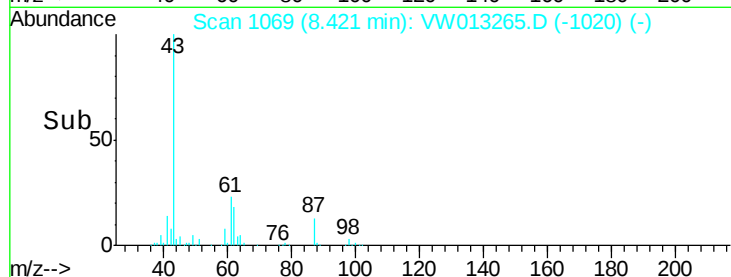
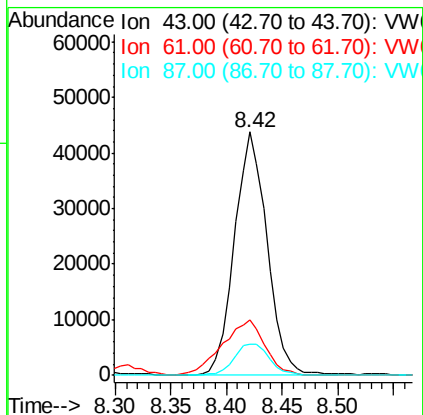
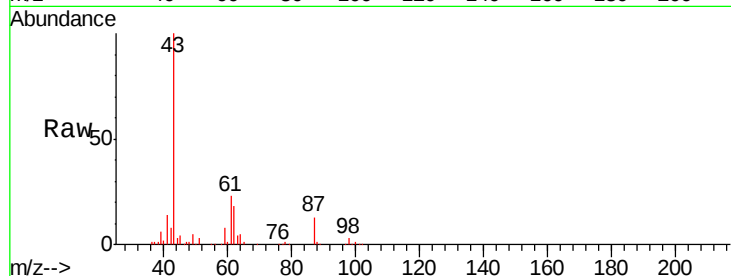
Tgt Ion: 43 Resp: 88027

Ion Ratio Lower Upper

43 100

61 29.9 25.5 38.3

87 14.2 11.0 16.4



#44

Trichloroethene

Concen: 20.202 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013265.D

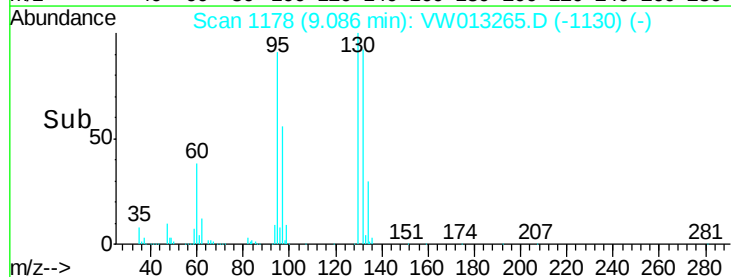
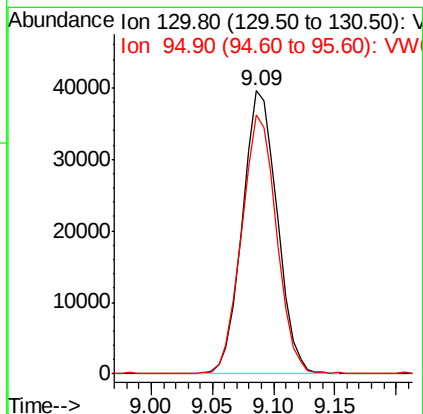
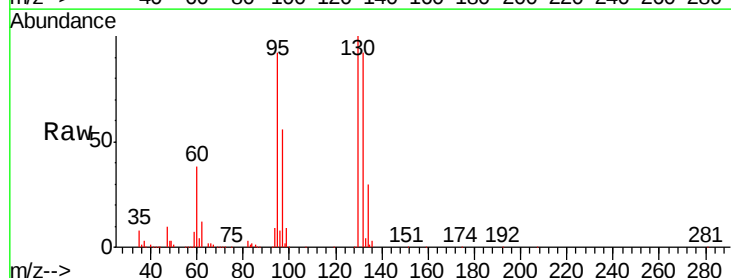
Acq: 24 Sep 2019 08:05

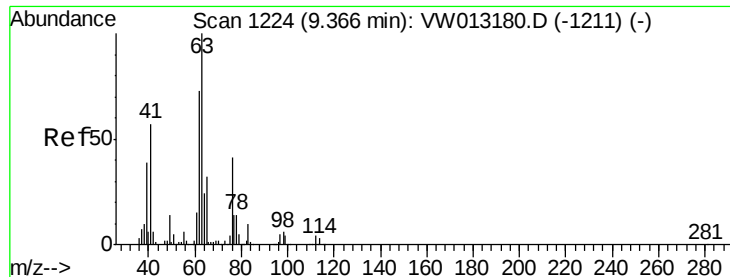
Tgt Ion: 130 Resp: 78451

Ion Ratio Lower Upper

130 100

95 91.6 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.562 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

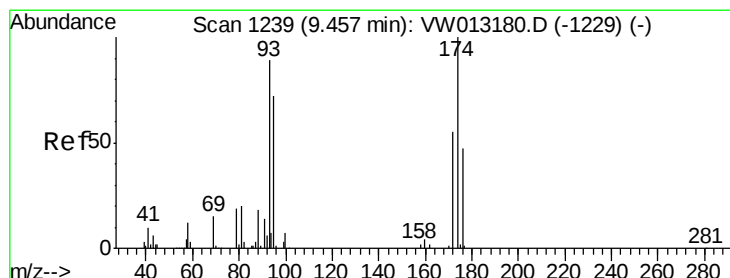
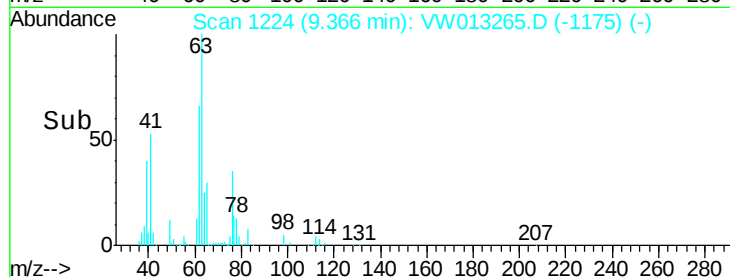
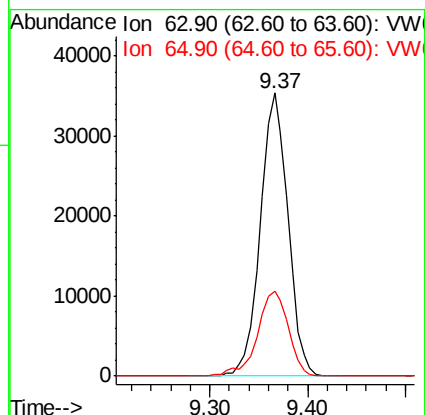
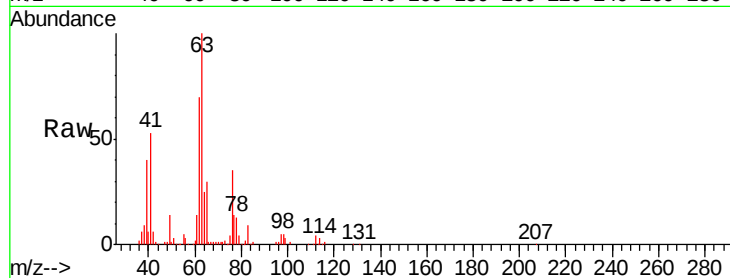
VSTDCCC050EC

Tgt Ion: 63 Resp: 69480

Ion Ratio Lower Upper

63 100

65 30.2 25.3 37.9



#46

Dibromomethane

Concen: 20.626 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

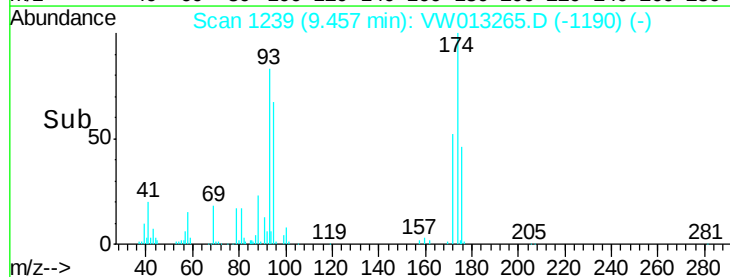
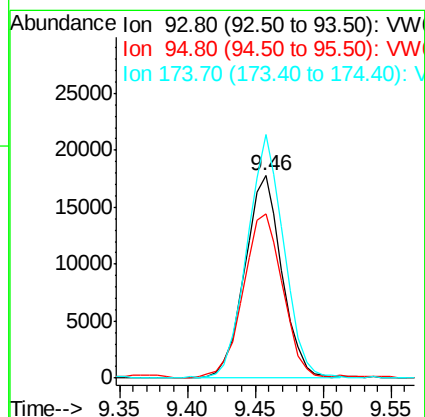
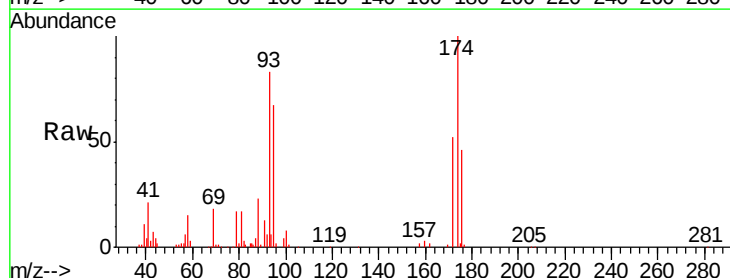
Tgt Ion: 93 Resp: 33838

Ion Ratio Lower Upper

93 100

95 86.6 66.4 99.6

174 119.2 93.0 139.6





#47

Bromodichloromethane

Concen: 19.243 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

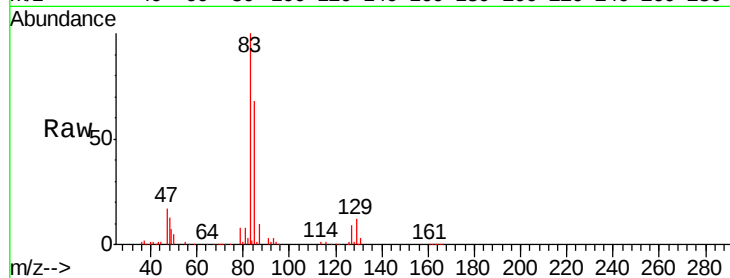
Tgt Ion: 83 Resp: 80329

Ion Ratio Lower Upper

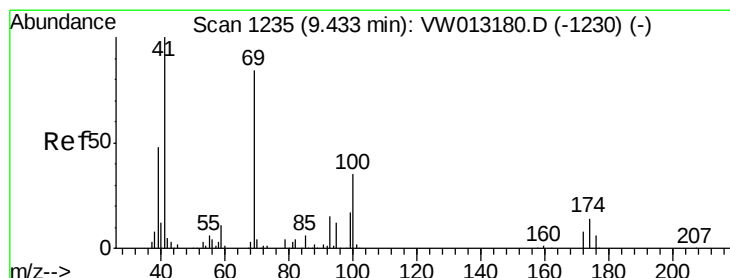
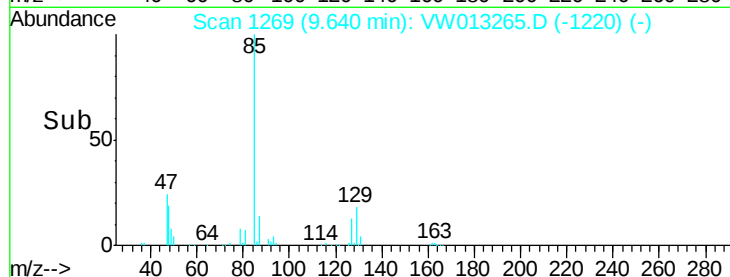
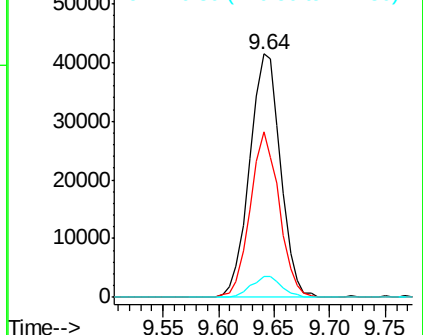
83 100

85 67.7 49.4 74.2

127 8.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.269 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

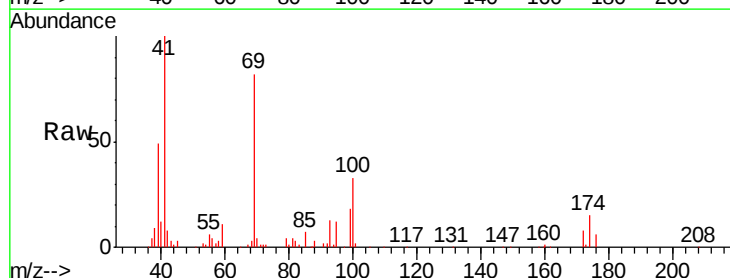
Tgt Ion: 41 Resp: 42324

Ion Ratio Lower Upper

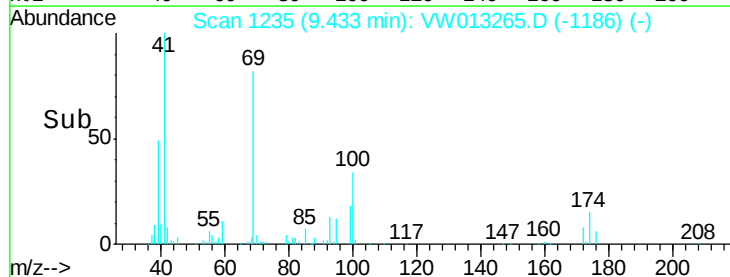
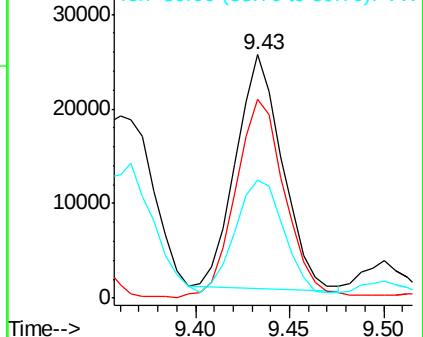
41 100

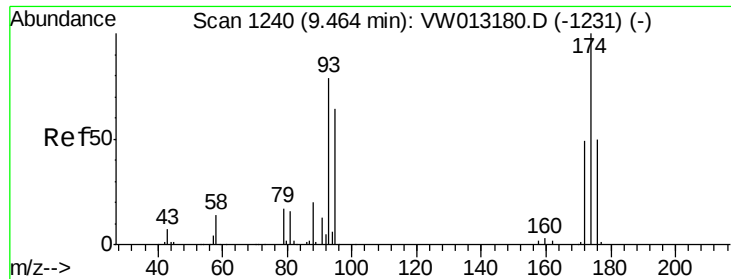
69 89.1 69.7 104.5

39 51.0 41.1 61.7



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: 515.808 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

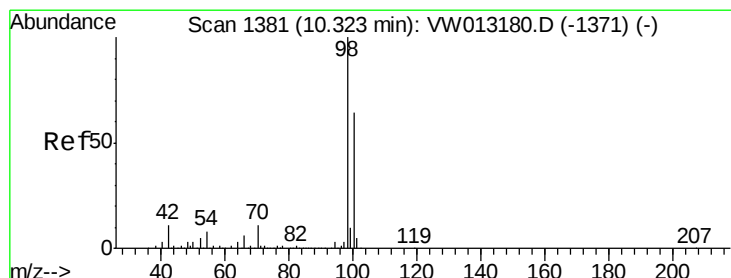
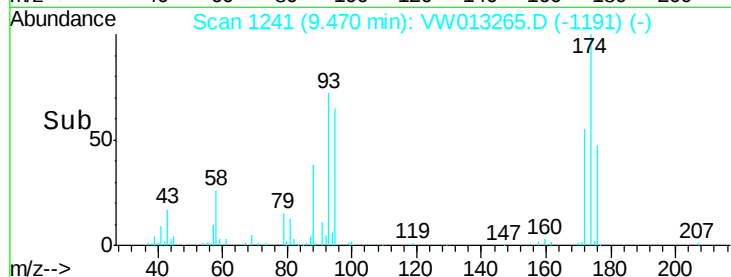
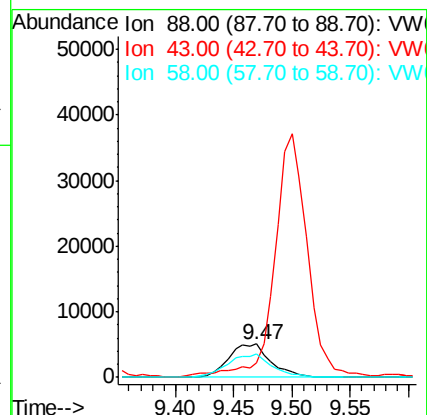
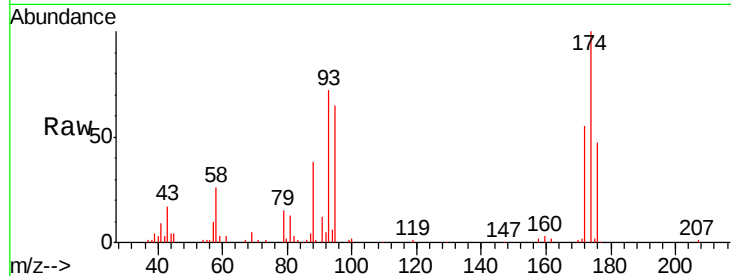
Tgt Ion: 88 Resp: 12702

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 74.3 65.4 98.0



#50

Toluene-d8

Concen: 49.912 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013265.D

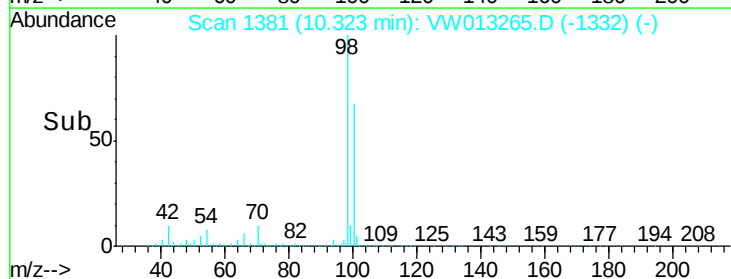
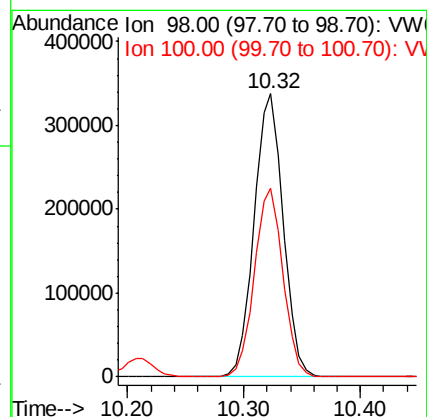
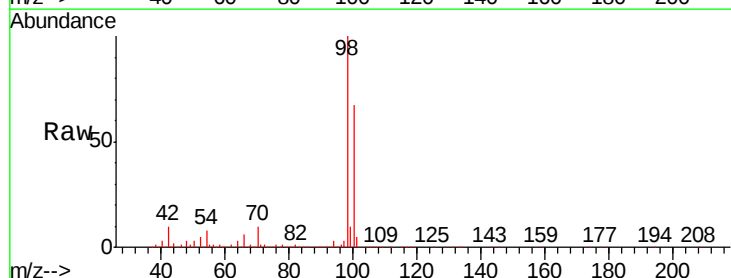
Acq: 24 Sep 2019 08:05

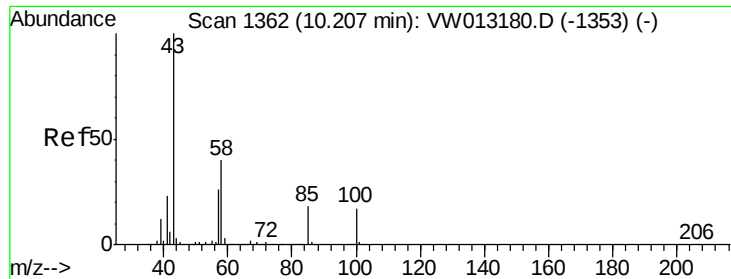
Tgt Ion: 98 Resp: 588574

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3

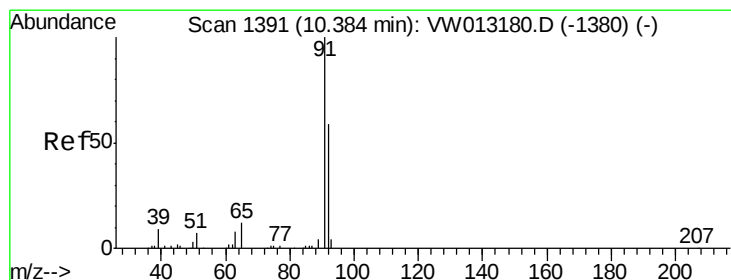
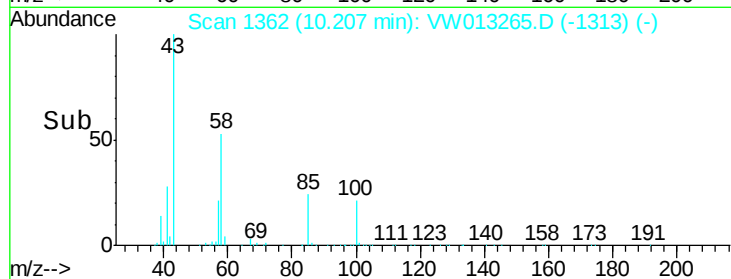
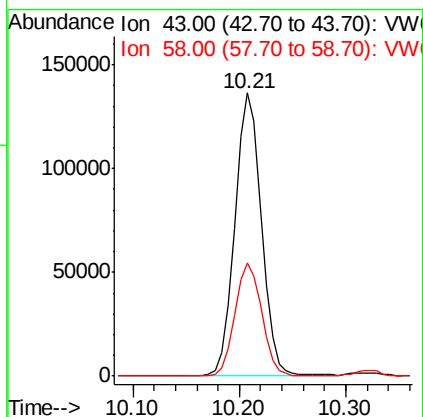
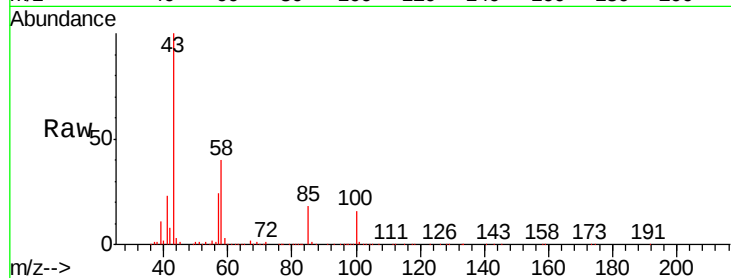




#51
 4-Methyl-2-Pentanone
 Concen: 117.502 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

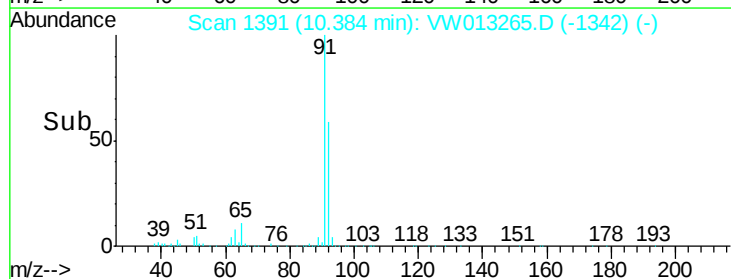
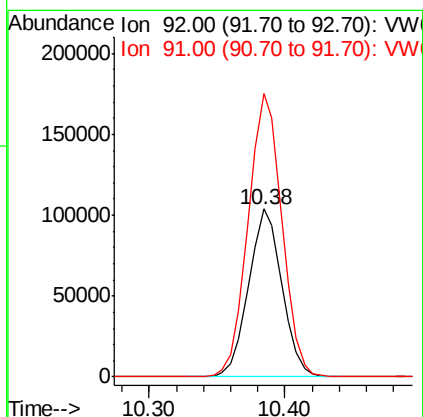
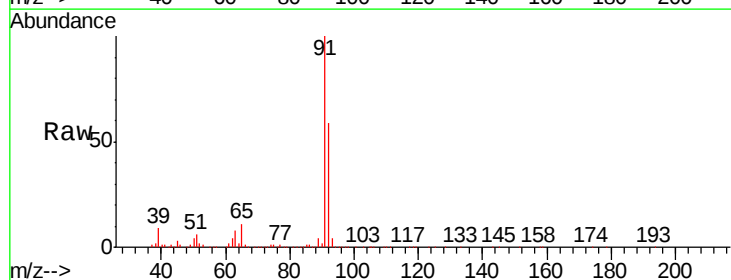
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

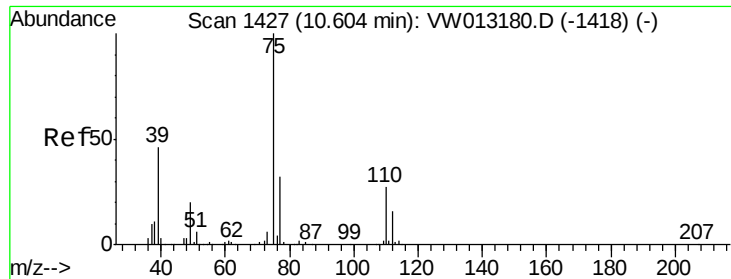
Tgt Ion: 43 Resp: 238090
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.7 47.5



#52
 Toluene
 Concen: 20.082 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 92 Resp: 178138
 Ion Ratio Lower Upper
 92 100
 91 171.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.275 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

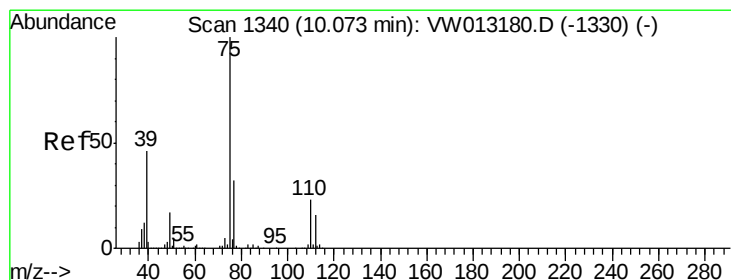
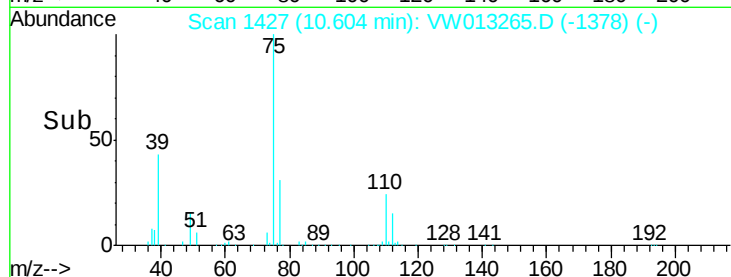
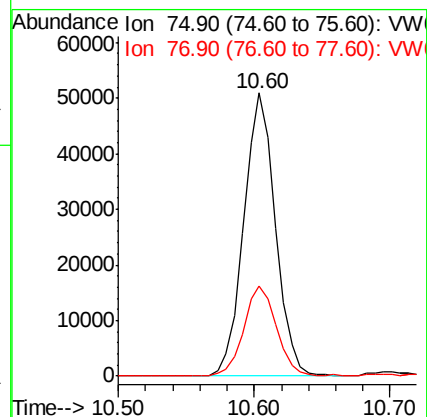
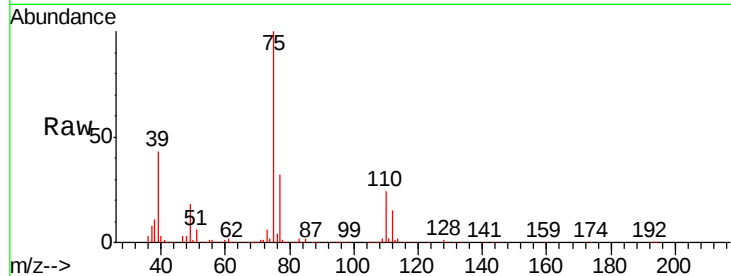
VSTDCCC050EC

Tgt Ion: 75 Resp: 82667

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.027 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

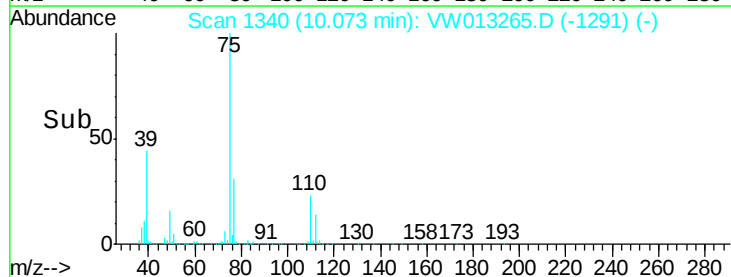
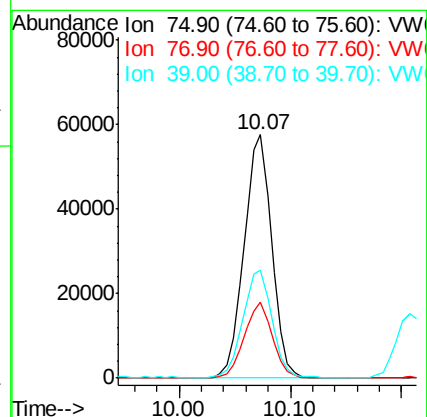
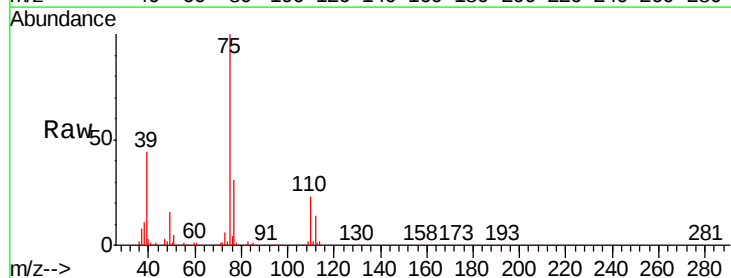
Tgt Ion: 75 Resp: 99219

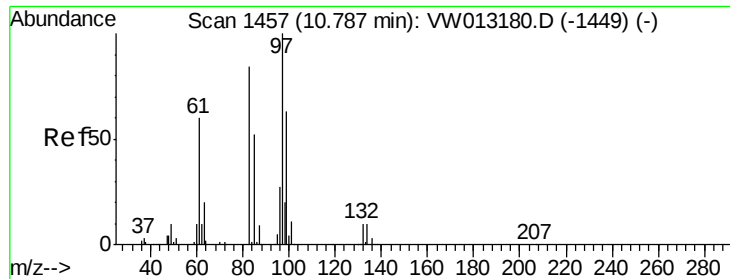
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 44.1 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.811 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 51030

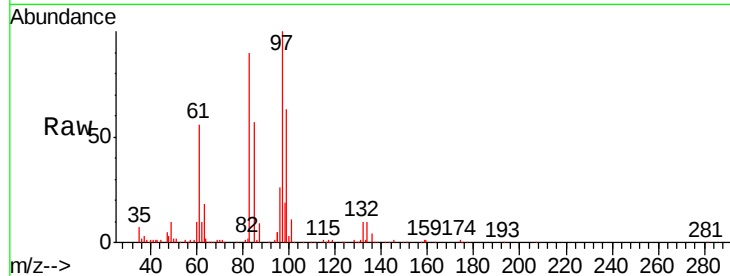
Ion Ratio Lower Upper

97 100

83 90.3 67.6 101.4

85 56.8 41.9 62.9

99 63.1 50.1 75.1

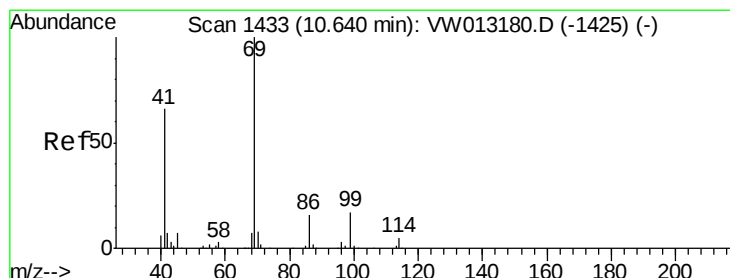
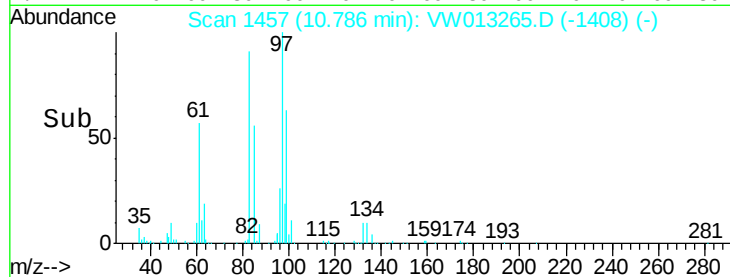
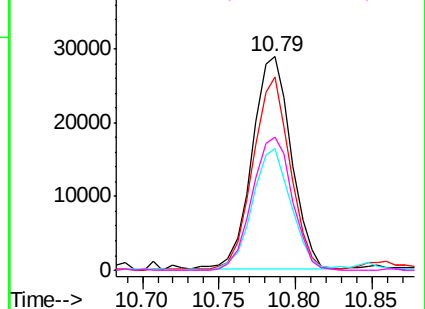


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 22.185 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

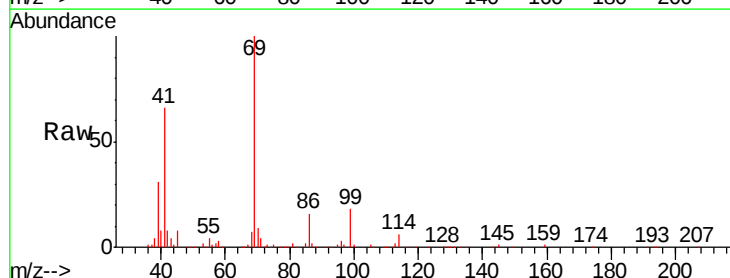
Tgt Ion: 69 Resp: 71194

Ion Ratio Lower Upper

69 100

41 67.8 53.9 80.9

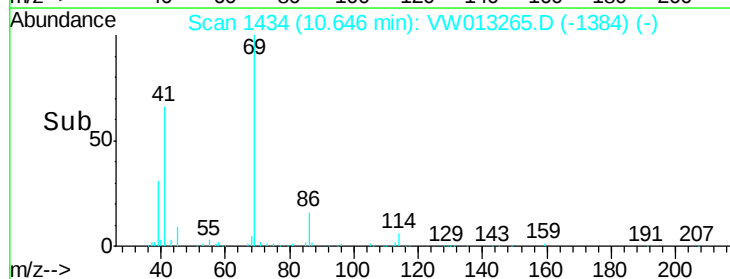
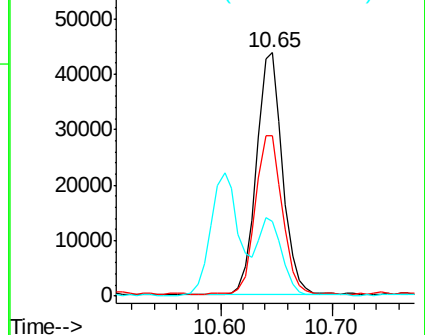
39 28.0 23.8 35.6

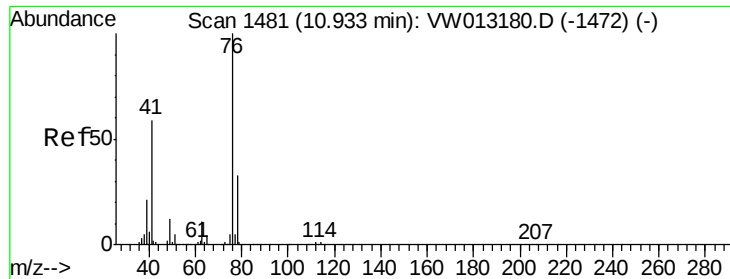


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

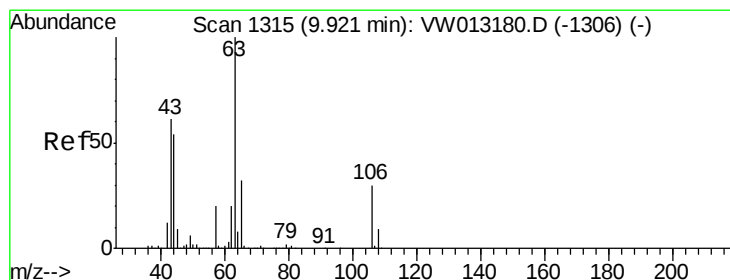
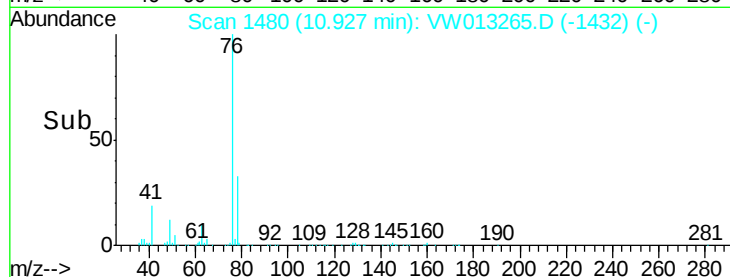
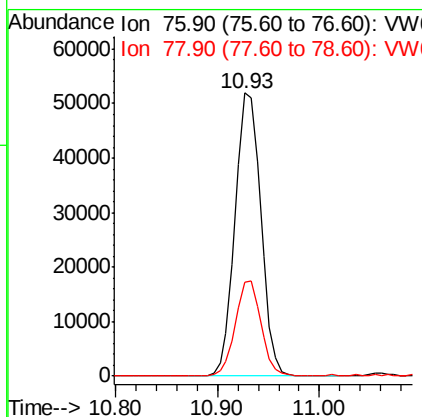
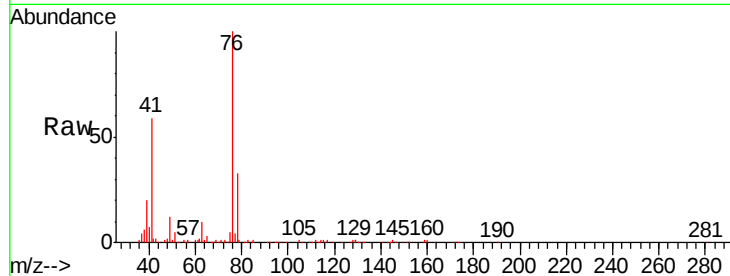




#57
 1,3-Dichloropropane
 Concen: 21.272 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

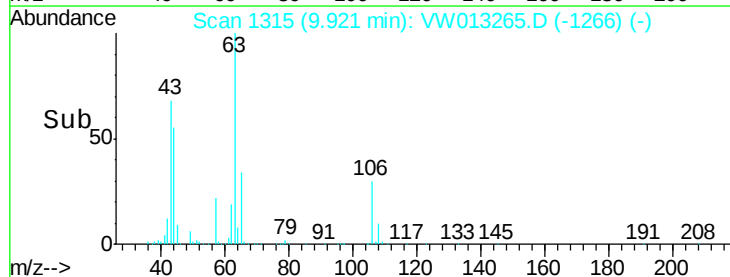
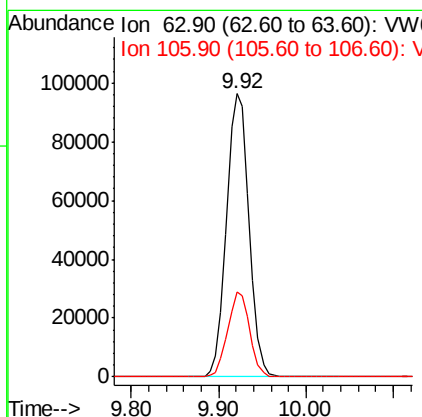
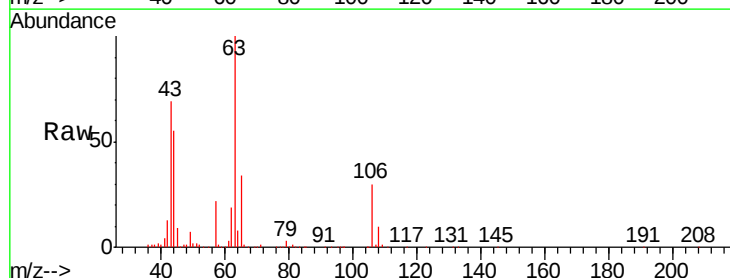
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

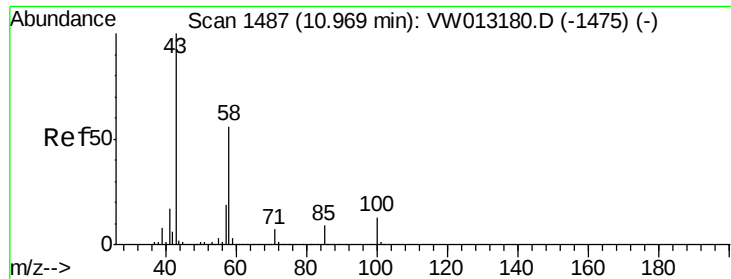
Tgt Ion: 76 Resp: 91020
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.555 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 63 Resp: 171672
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.4 35.0

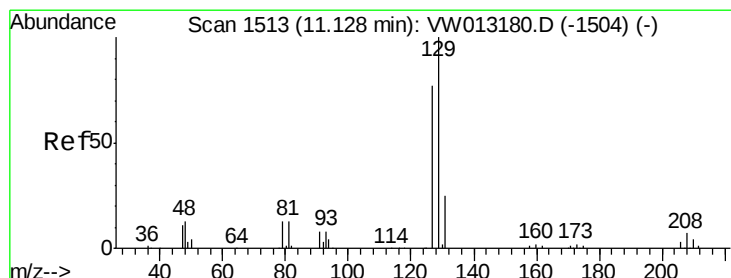
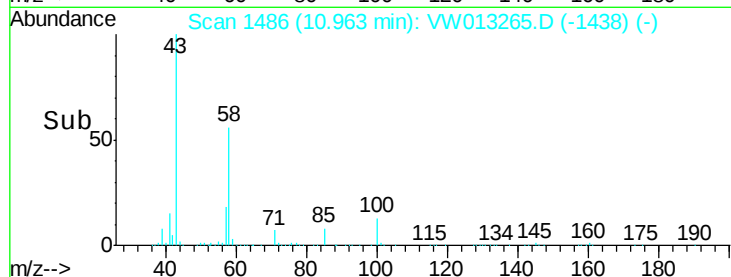
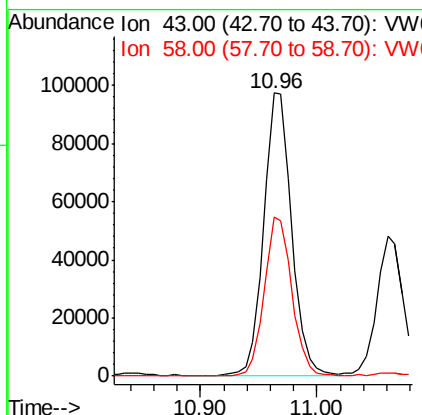
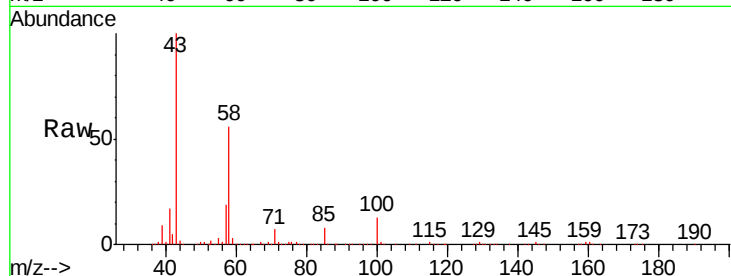




#59
2-Hexanone
Concen: 116.942 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

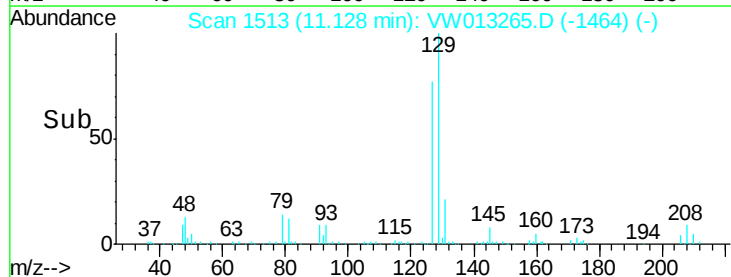
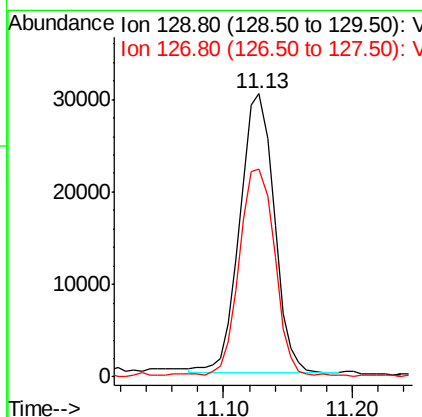
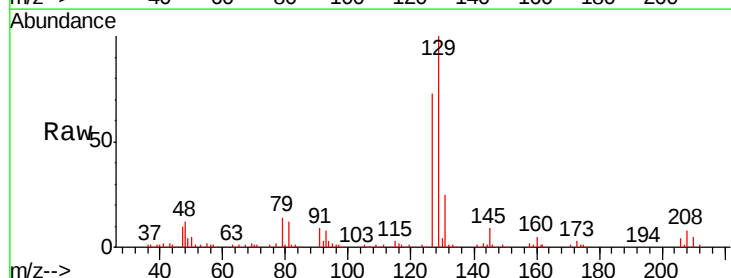
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

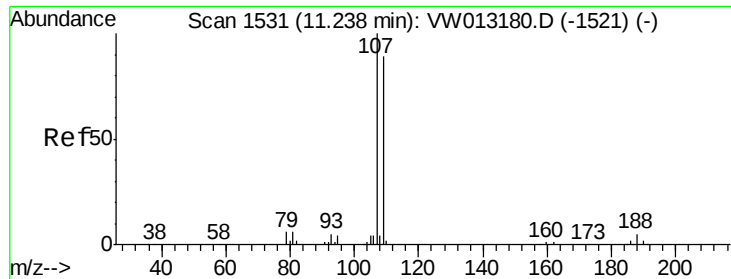
Tgt Ion: 43 Resp: 163025
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.2



#60
Dibromochloromethane
Concen: 20.171 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 129 Resp: 56163
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.4

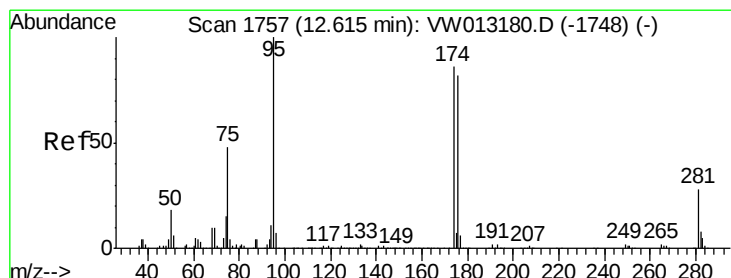
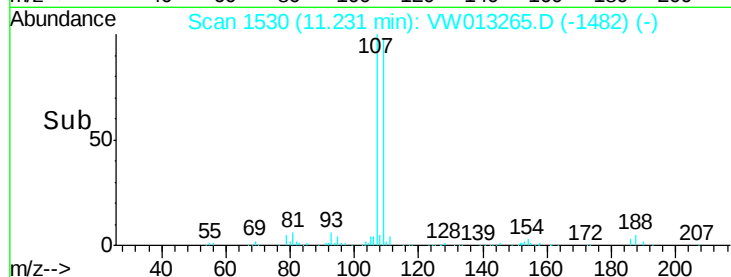
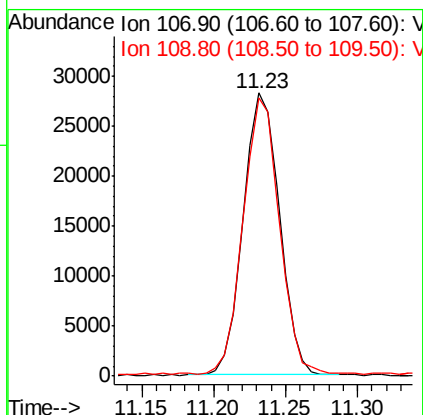
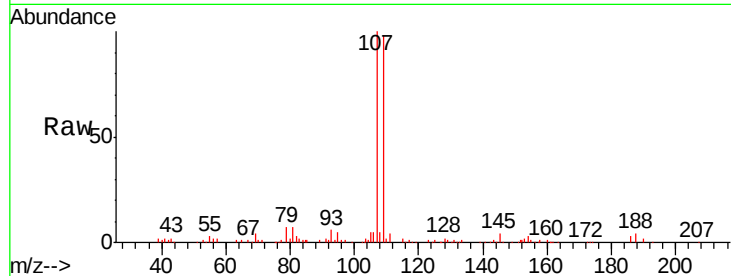




#61
 1,2-Dibromoethane
 Concen: 21.034 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

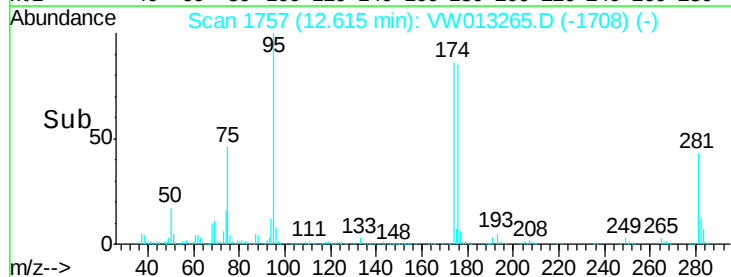
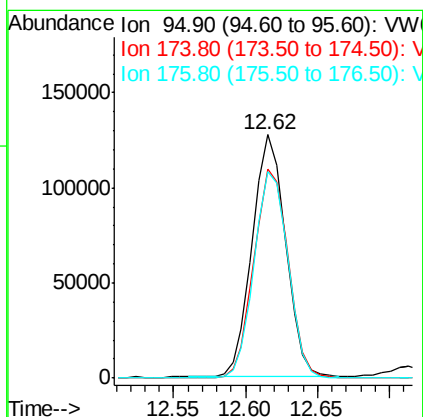
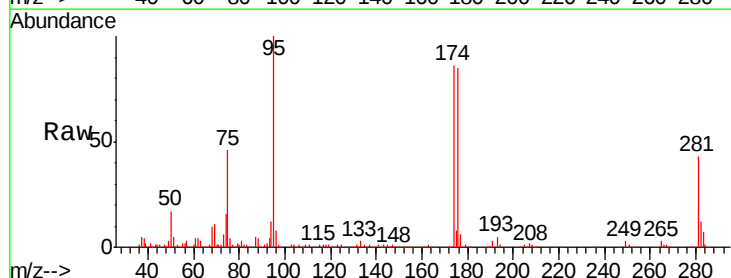
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

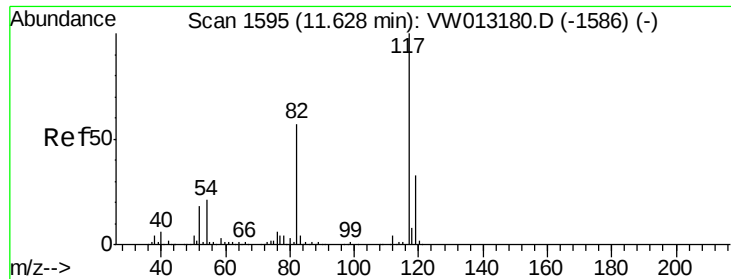
Tgt Ion: 107 Resp: 49038
 Ion Ratio Lower Upper
 107 100
 109 98.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.773 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 95 Resp: 204521
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.4
 176 86.3 0.0 172.2

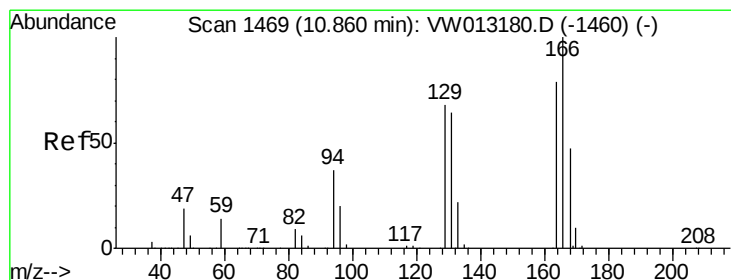
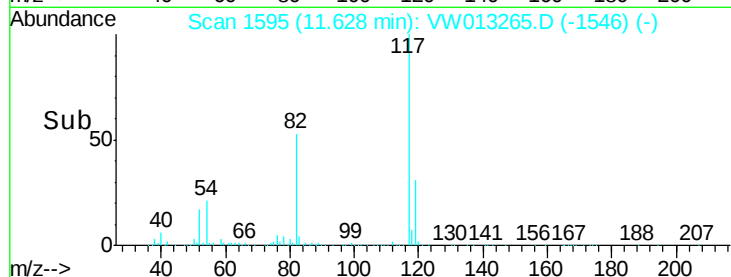
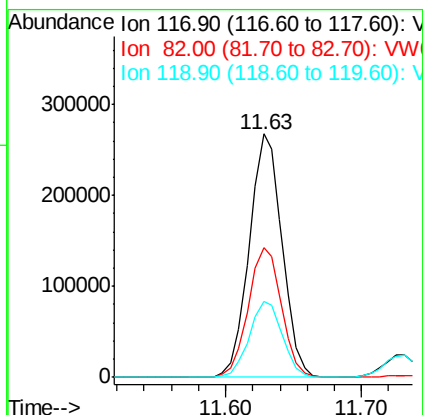
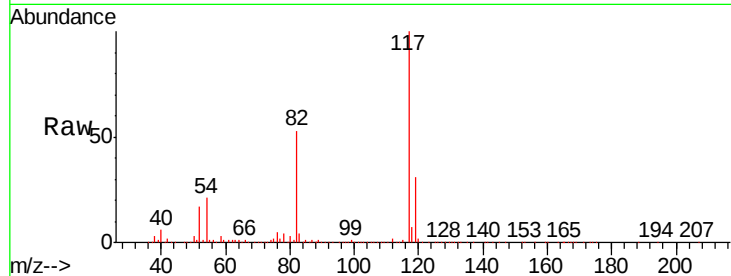




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

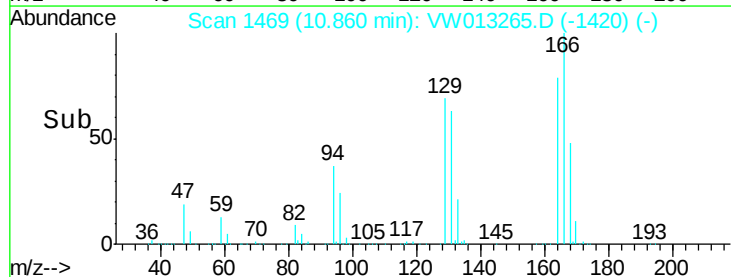
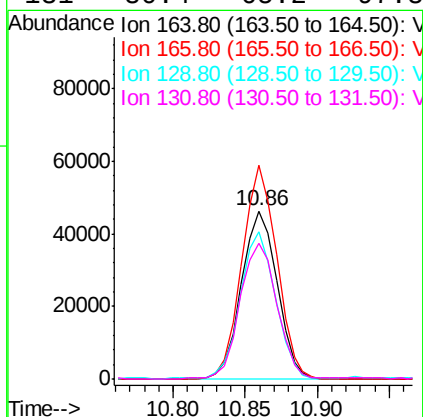
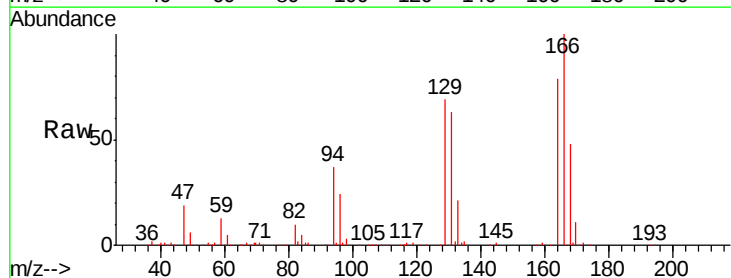
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

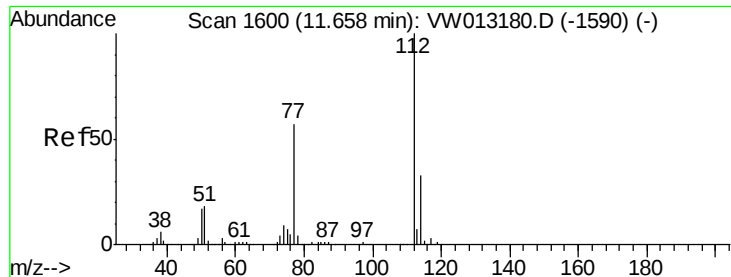
Tgt Ion:117 Resp: 451472
Ion Ratio Lower Upper
117 100
82 53.0 45.9 68.9
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 23.184 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:164 Resp: 79417
Ion Ratio Lower Upper
164 100
166 127.4 101.2 151.8
129 87.0 68.8 103.2
131 80.4 65.2 97.8

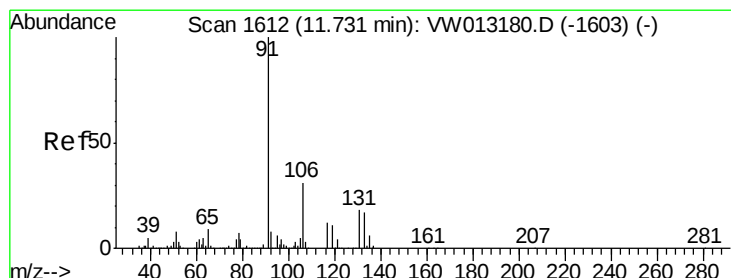
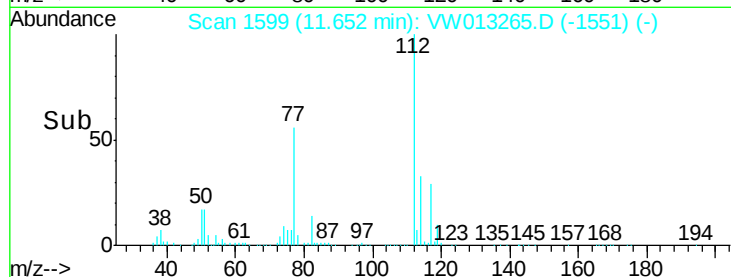
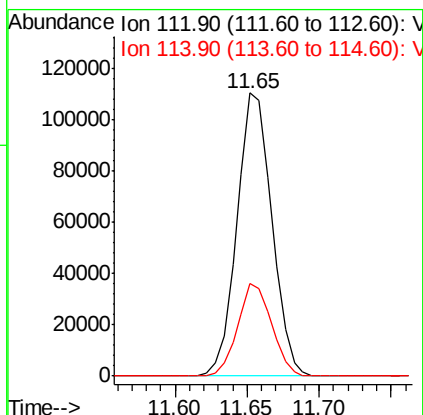
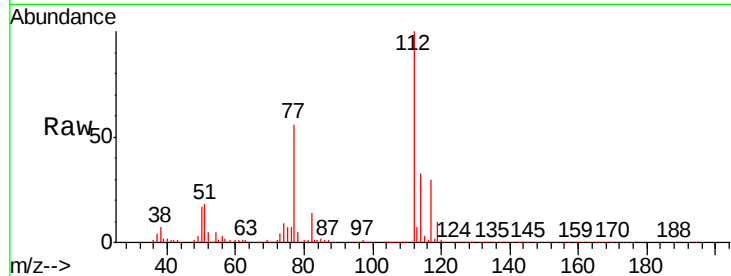




#65
Chlorobenzene
Concen: 19.758 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

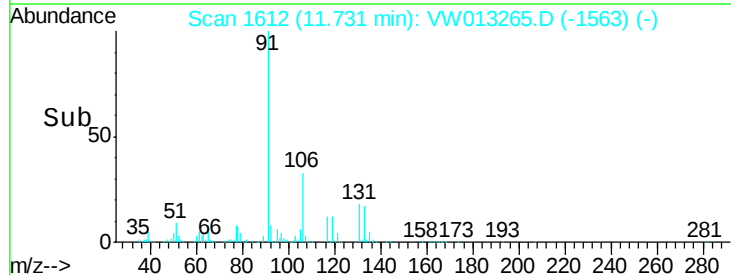
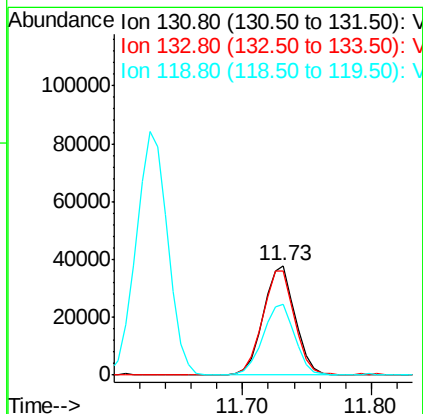
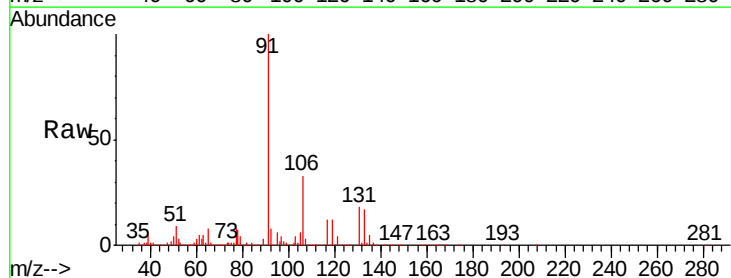
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

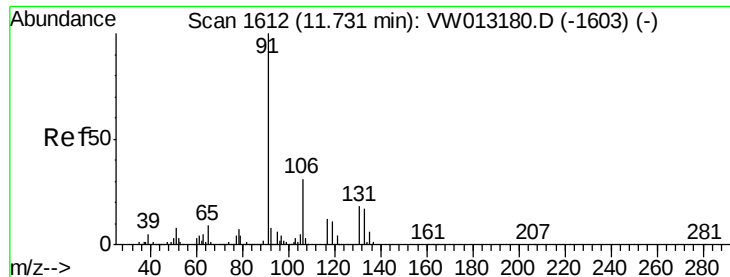
Tgt Ion:112 Resp: 186273
Ion Ratio Lower Upper
112 100
114 32.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.993 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:131 Resp: 64392
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 64.1 32.5 97.5

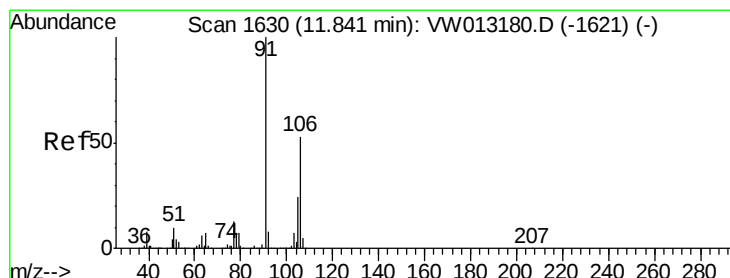
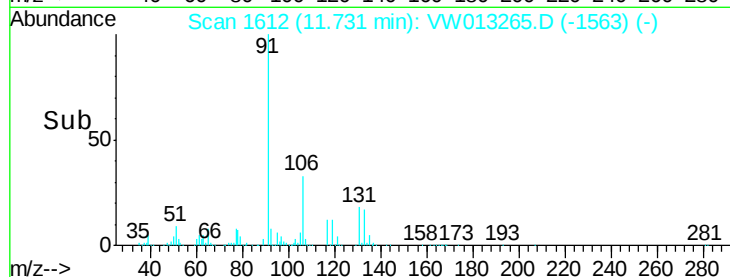
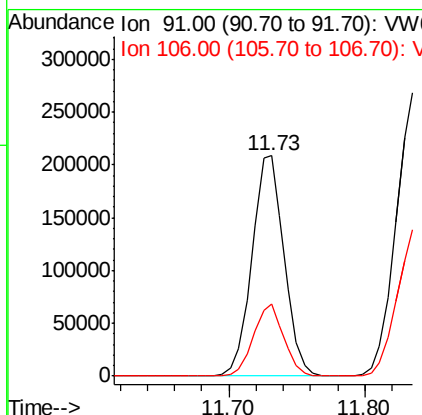
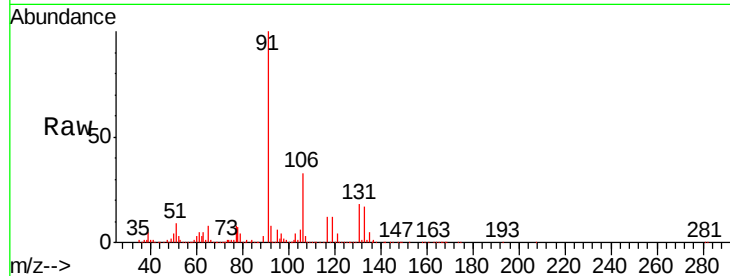




#67
Ethyl Benzene
Concen: 20.158 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

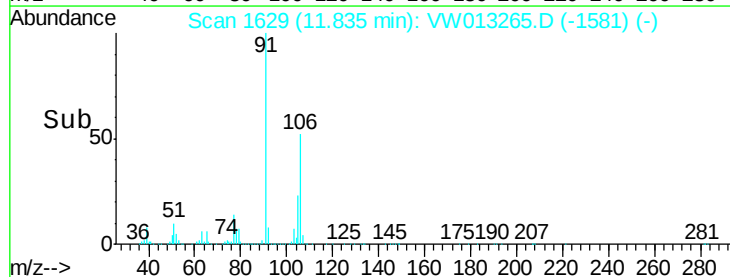
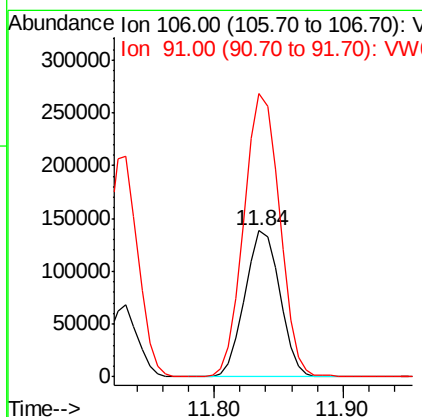
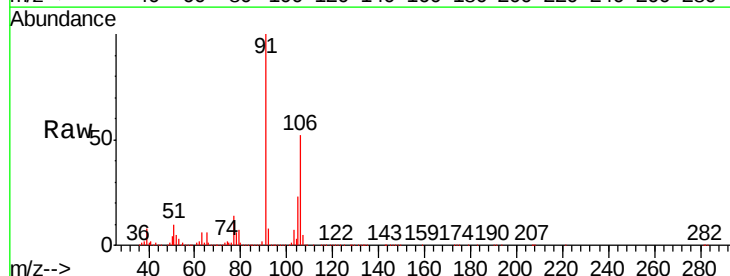
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

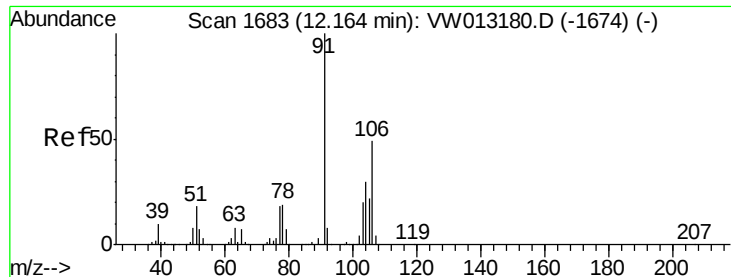
Tgt Ion: 91 Resp: 344334
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3



#68
m/p-Xylenes
Concen: 39.876 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 106 Resp: 259566
Ion Ratio Lower Upper
106 100
91 198.1 157.9 236.9

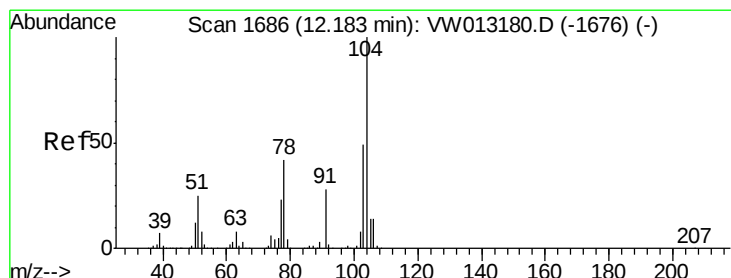
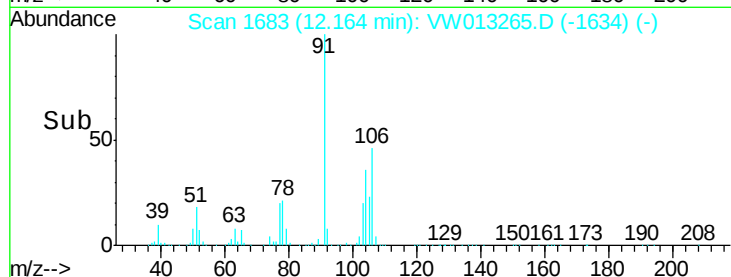
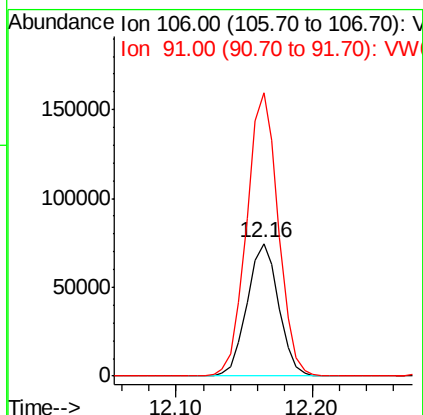
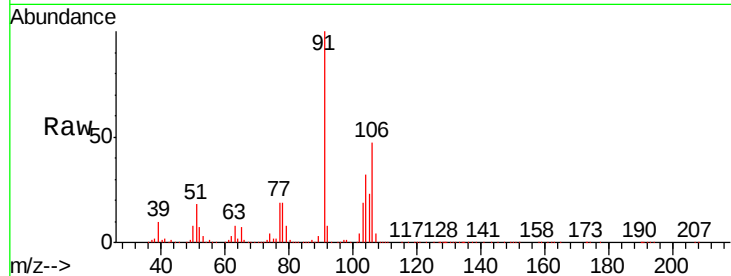




#69
o-Xylene
Concen: 20.057 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

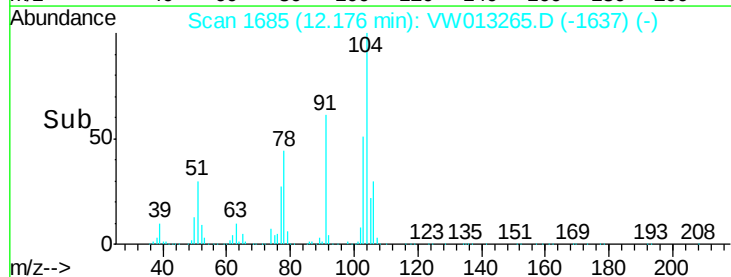
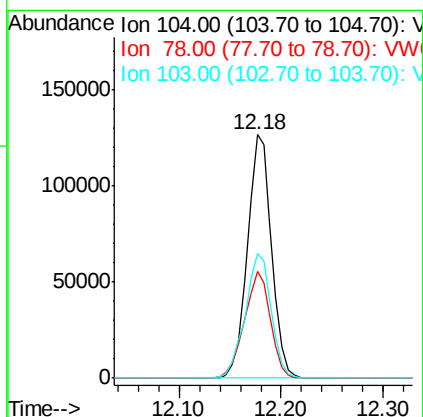
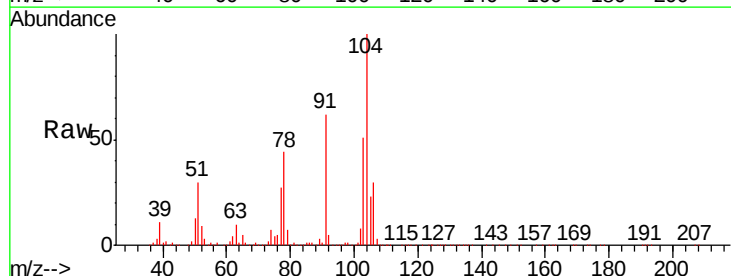
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

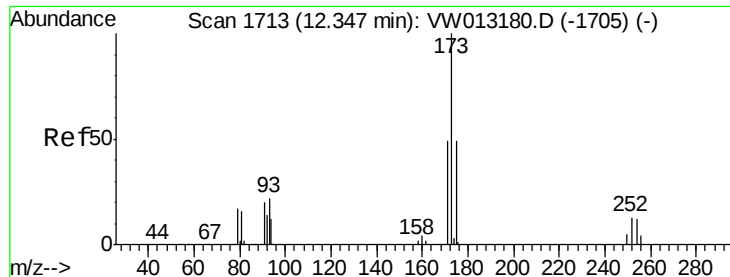
Tgt Ion:106 Resp: 121379
Ion Ratio Lower Upper
106 100
91 212.5 106.5 319.5



#70
Styrene
Concen: 20.056 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:104 Resp: 208380
Ion Ratio Lower Upper
104 100
78 47.1 38.4 57.6
103 55.1 43.3 64.9





#71

Bromoform

Concen: 19.824 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

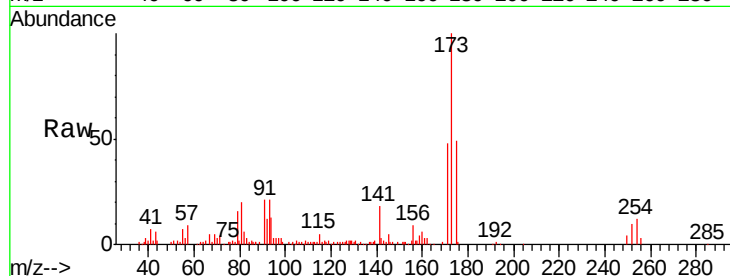
Tgt Ion:173 Resp: 33732

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

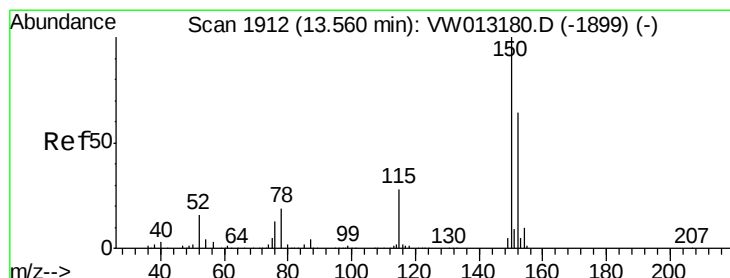
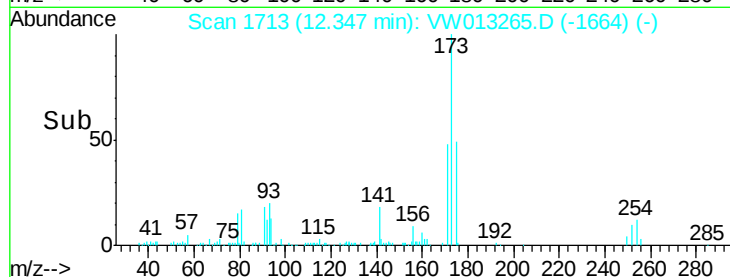
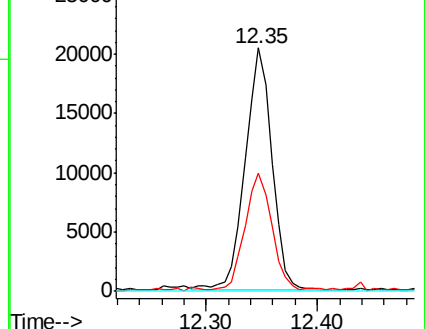
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

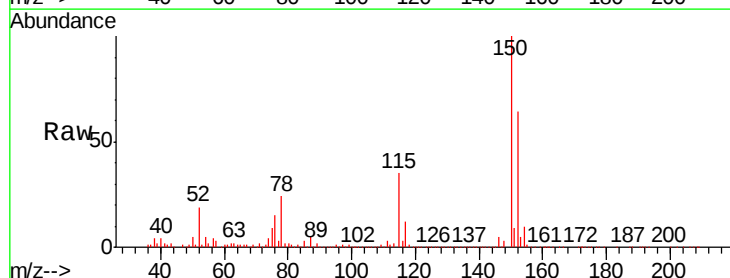
Tgt Ion:152 Resp: 224906

Ion Ratio Lower Upper

152 100

115 54.2 27.3 81.9

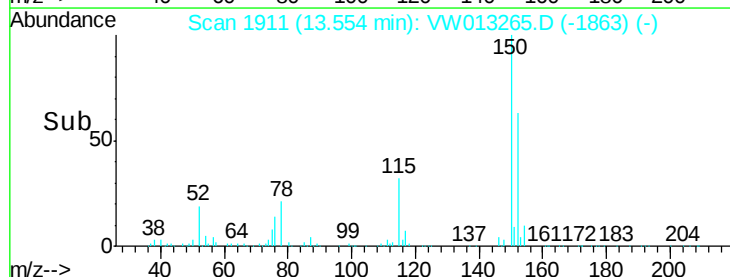
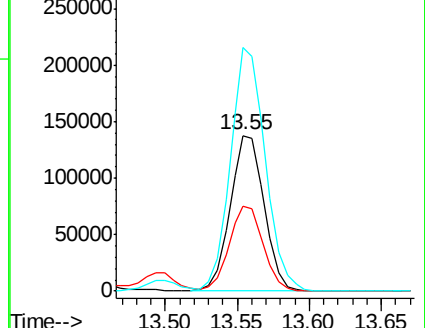
150 161.1 0.0 349.0

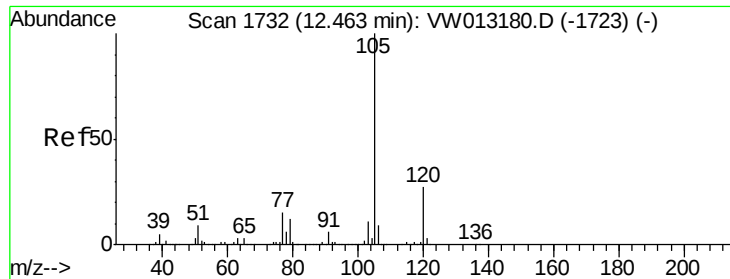


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.473 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

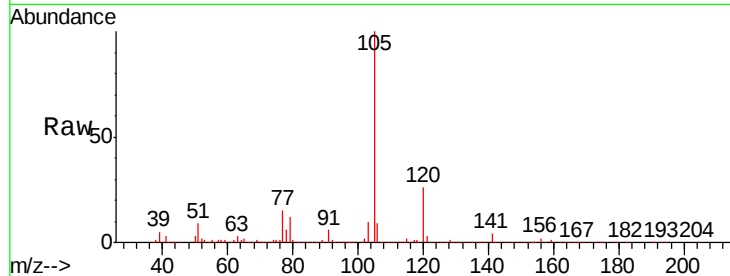
VSTDCCC050EC

Tgt Ion:105 Resp: 340133

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

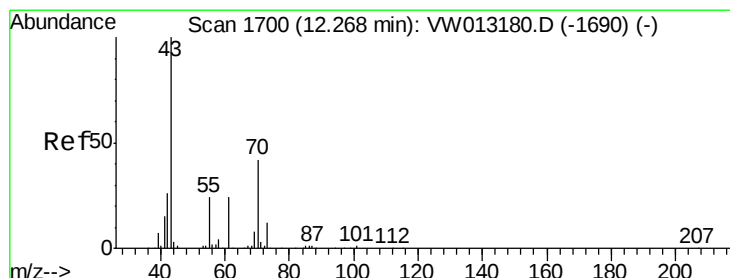
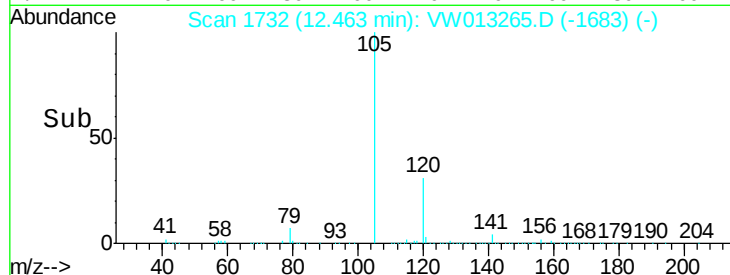
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.835 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion: 43 Resp: 80497

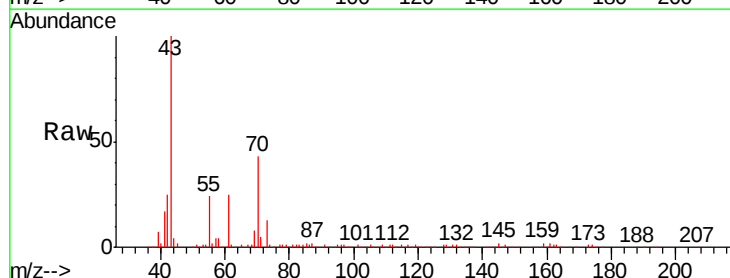
Ion Ratio Lower Upper

43 100

70 42.7 35.1 52.7

55 23.9 19.9 29.9

61 24.1 19.5 29.3



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

60000

40000

20000

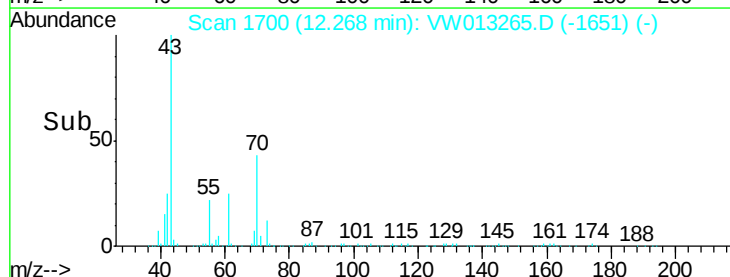
0

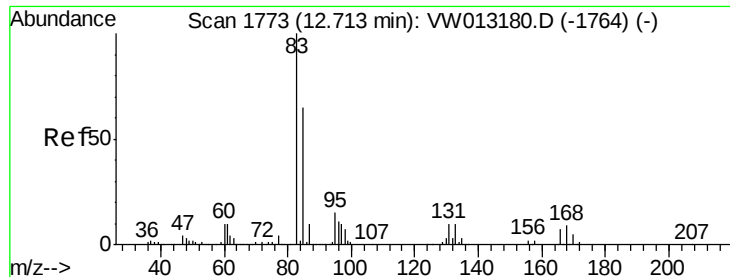
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.202 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

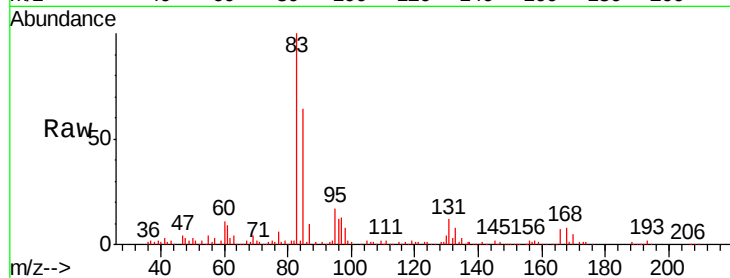
Tgt Ion: 83 Resp: 58912

Ion Ratio Lower Upper

83 100

131 13.7 5.4 16.2

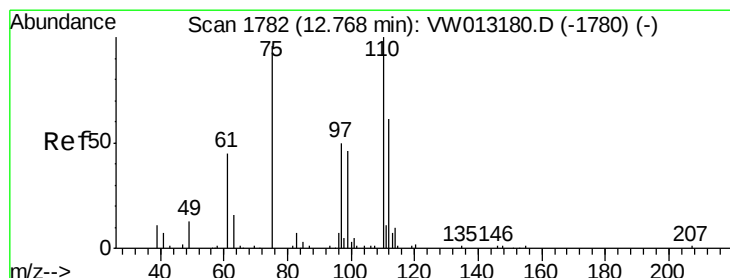
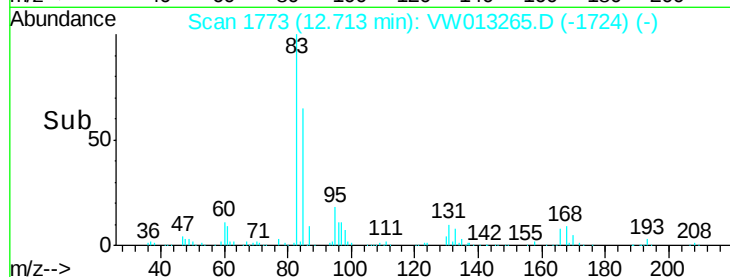
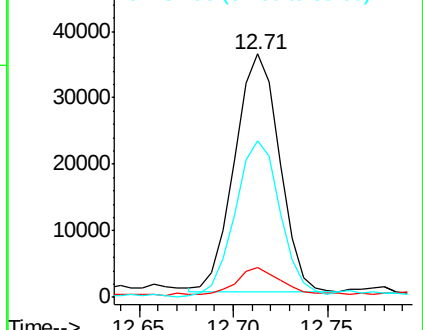
85 65.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.733 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013265.D

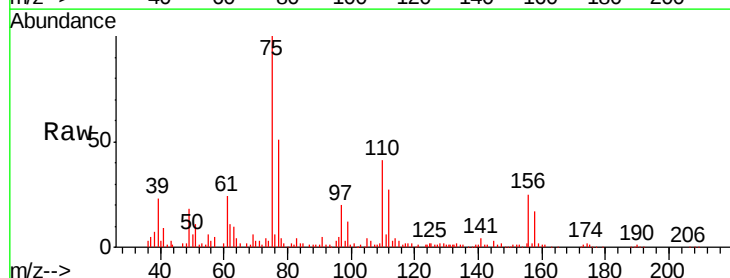
Acq: 24 Sep 2019 08:05

Tgt Ion: 75 Resp: 74946

Ion Ratio Lower Upper

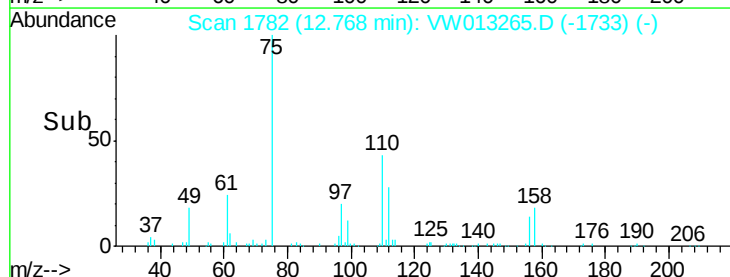
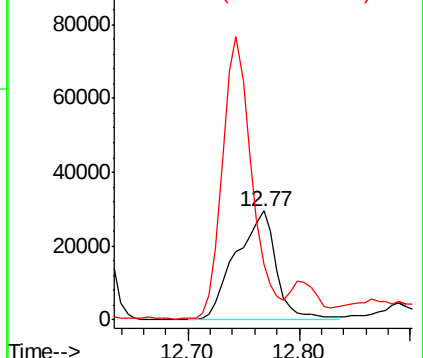
75 100

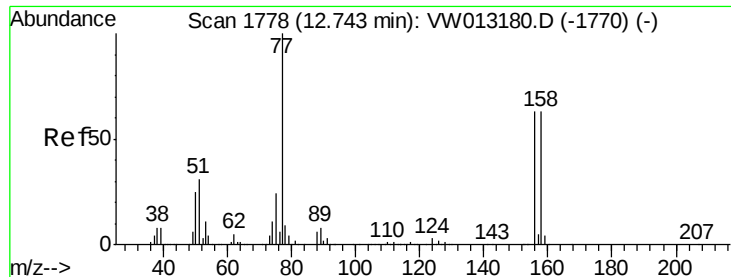
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.598 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

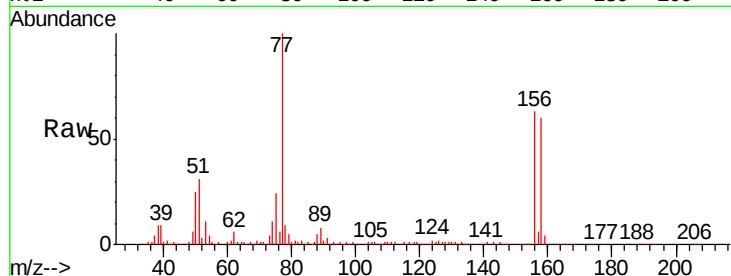
Tgt Ion:156 Resp: 81096

Ion Ratio Lower Upper

156 100

77 174.3 85.7 257.1

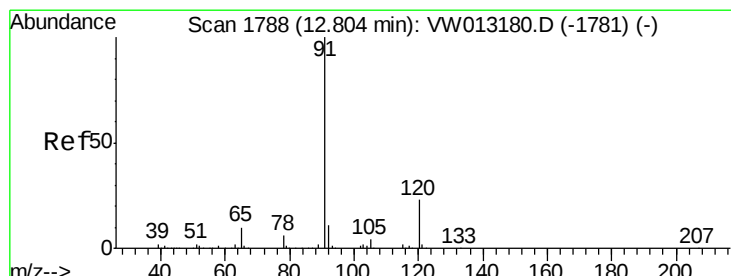
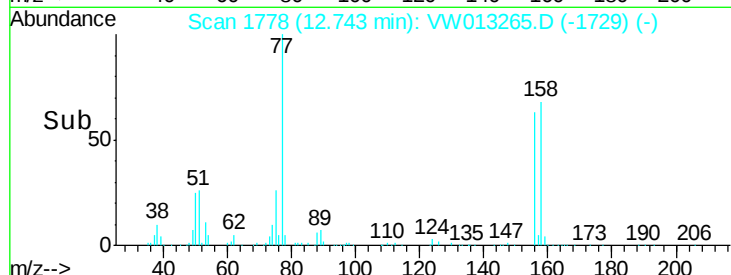
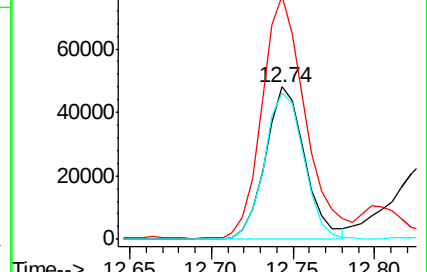
158 96.5 48.1 144.4



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: 20.030 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013265.D

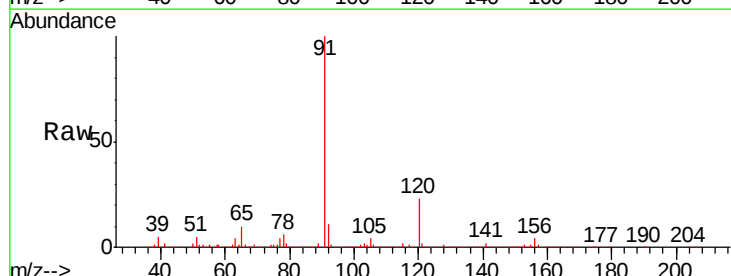
Acq: 24 Sep 2019 08:05

Tgt Ion: 91 Resp: 389519

Ion Ratio Lower Upper

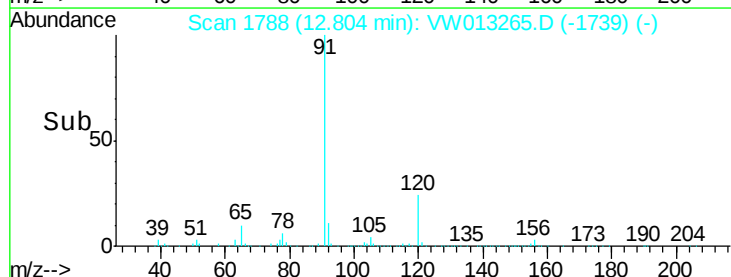
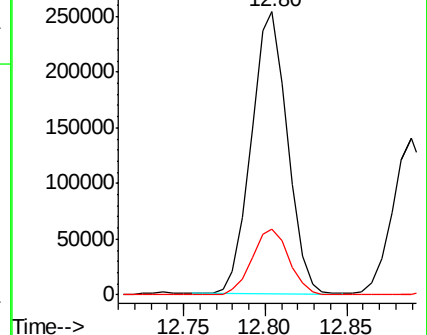
91 100

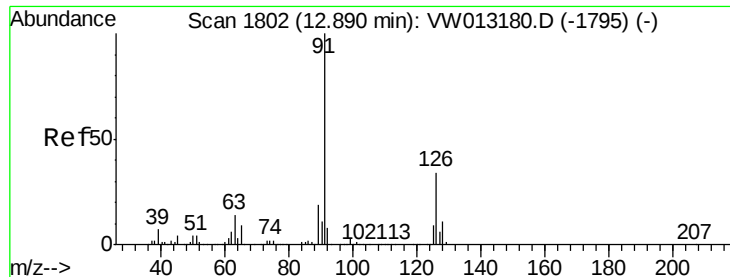
120 23.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.499 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

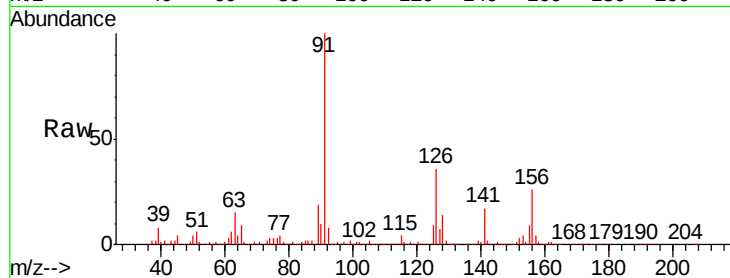
VSTDCCC050EC

Tgt Ion: 91 Resp: 223341

Ion Ratio Lower Upper

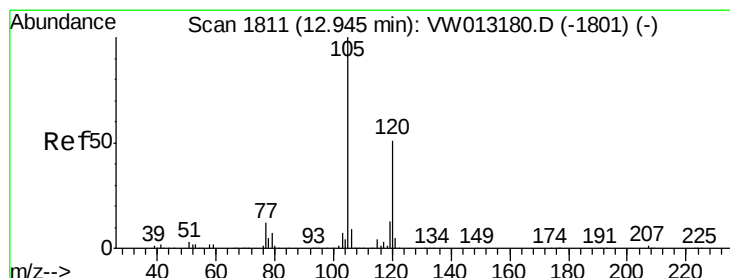
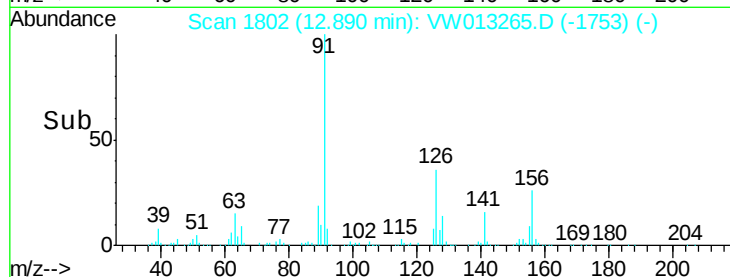
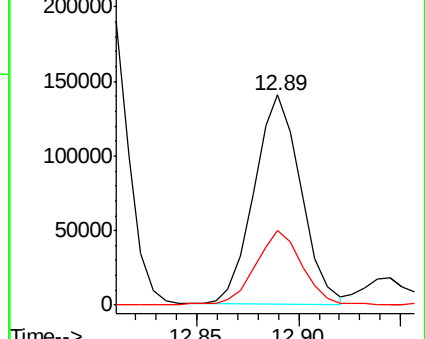
91 100

126 36.5 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.498 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013265.D

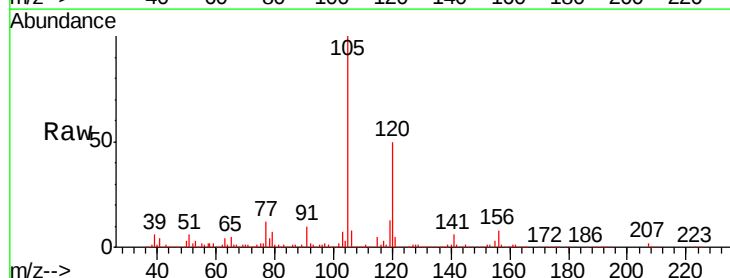
Acq: 24 Sep 2019 08:05

Tgt Ion: 105 Resp: 286267

Ion Ratio Lower Upper

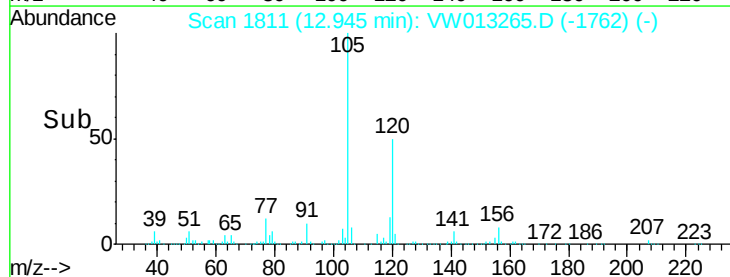
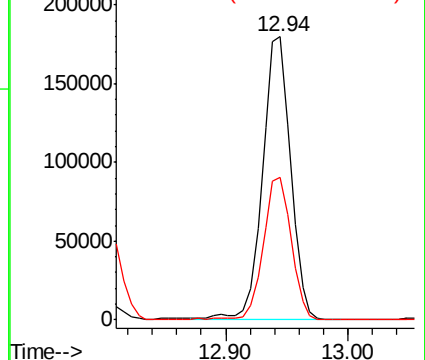
105 100

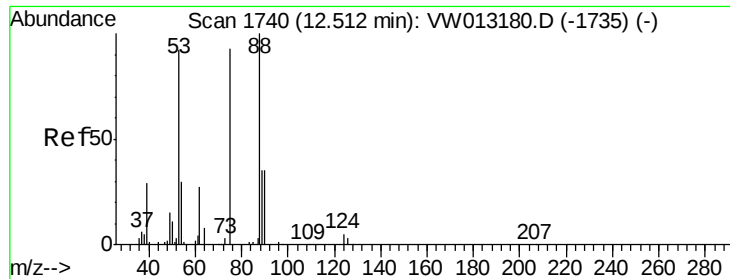
120 50.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.705 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

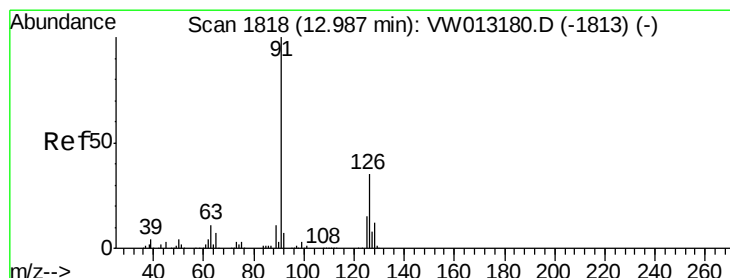
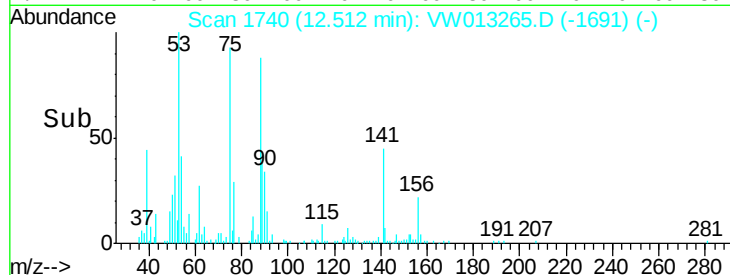
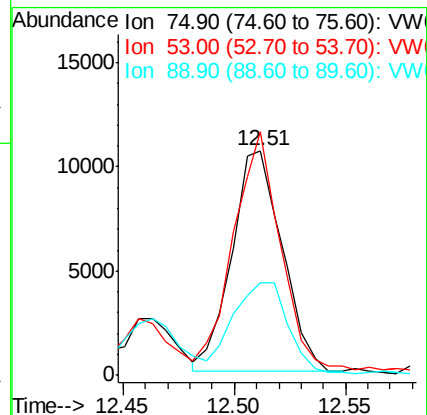
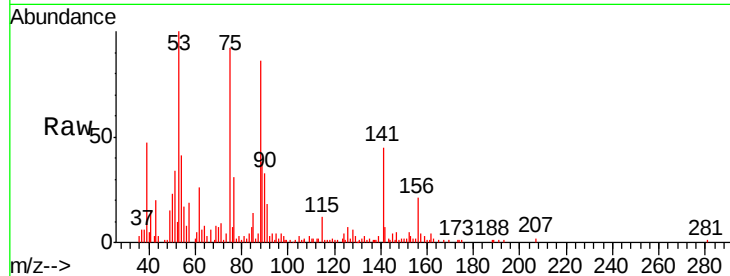
Tgt Ion: 75 Resp: 16557

Ion Ratio Lower Upper

75 100

53 101.2 76.6 114.8

89 47.1 33.5 50.3



#82

4-Chlorotoluene

Concen: 19.663 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013265.D

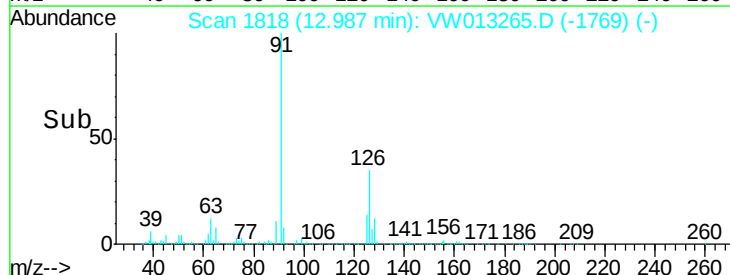
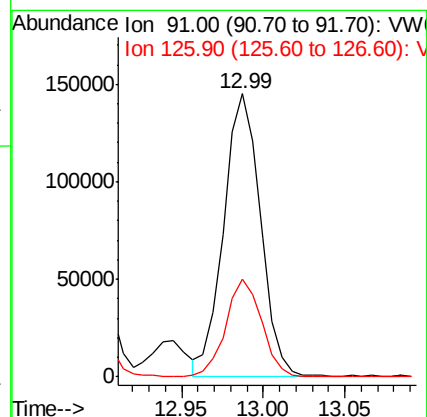
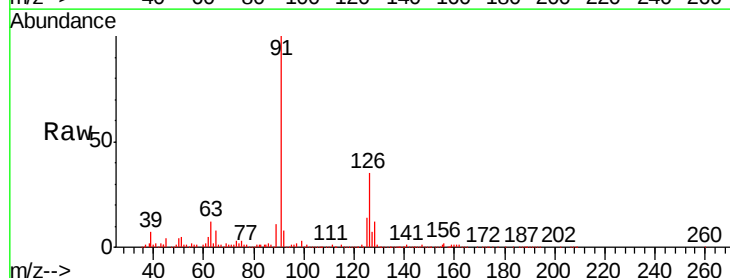
Acq: 24 Sep 2019 08:05

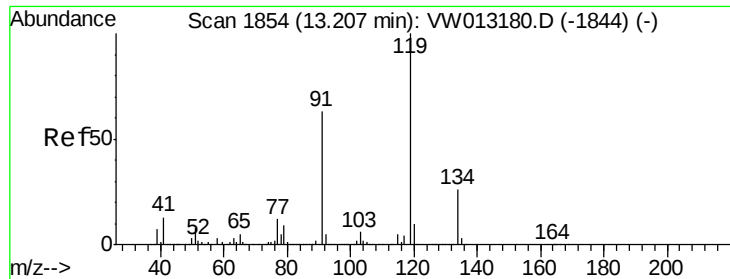
Tgt Ion: 91 Resp: 225911

Ion Ratio Lower Upper

91 100

126 33.9 17.3 51.7

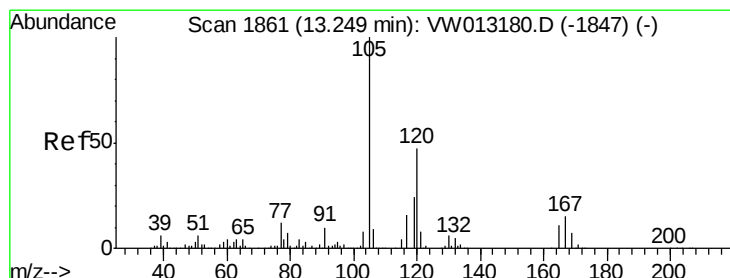
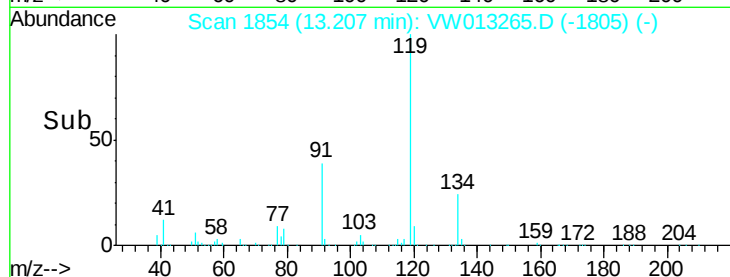
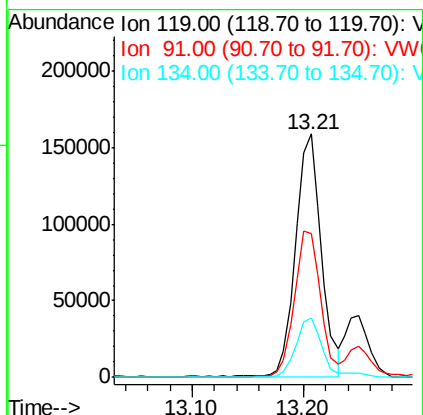
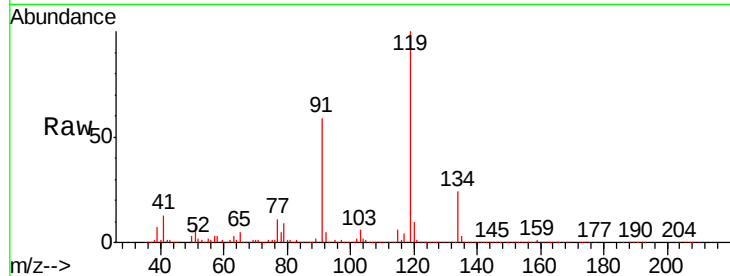




#83
tert-Butylbenzene
Concen: 20.748 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

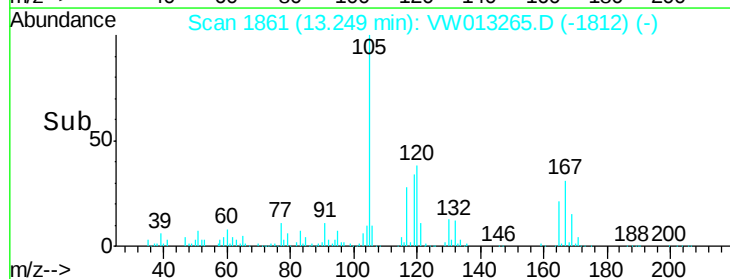
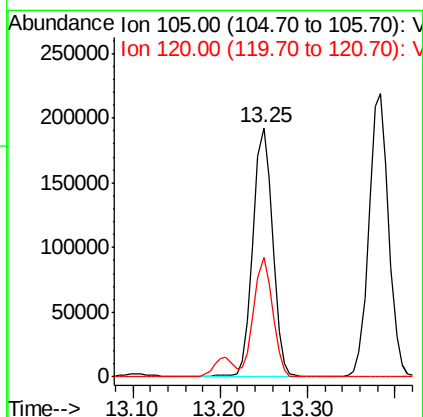
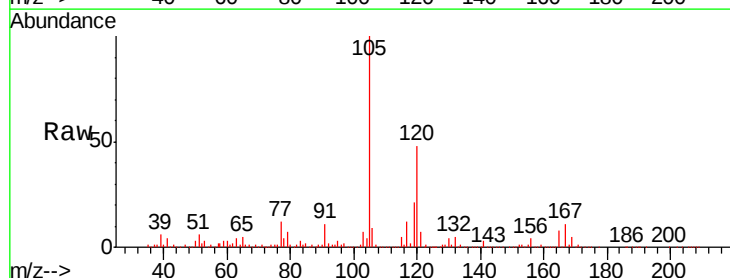
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

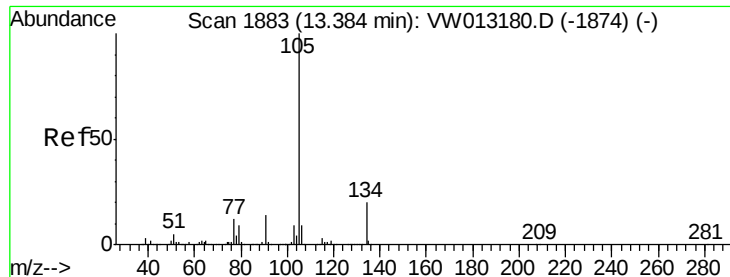
Tgt Ion:119 Resp: 254330
Ion Ratio Lower Upper
119 100
91 60.6 30.7 92.1
134 25.8 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 21.466 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:105 Resp: 298320
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.3

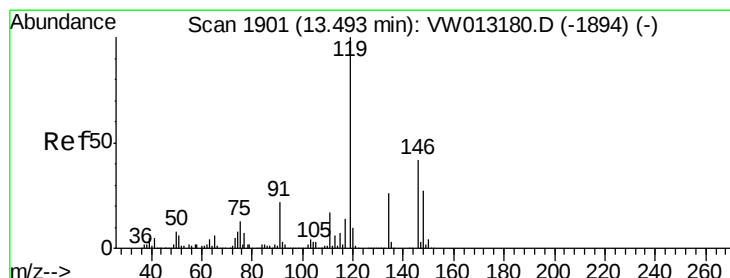
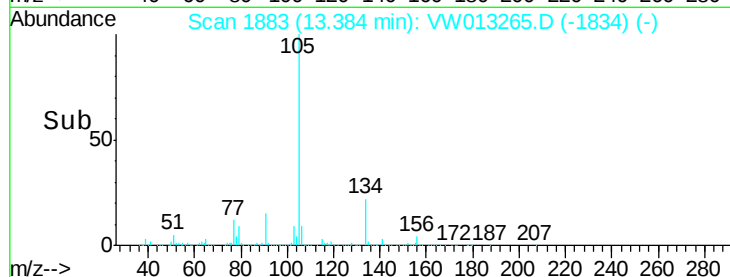
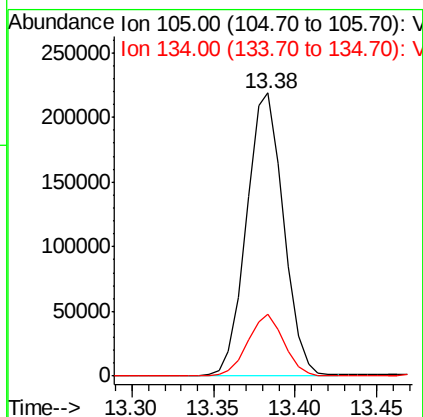
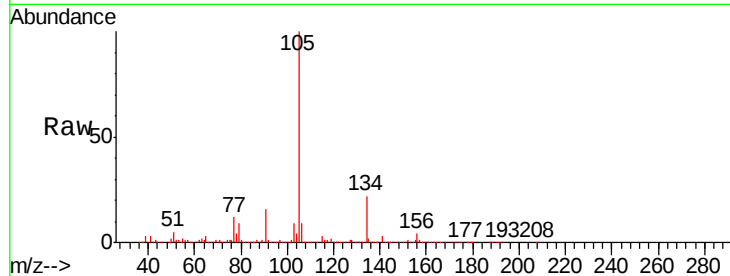




#85
 sec-Butylbenzene
 Concen: 20.402 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

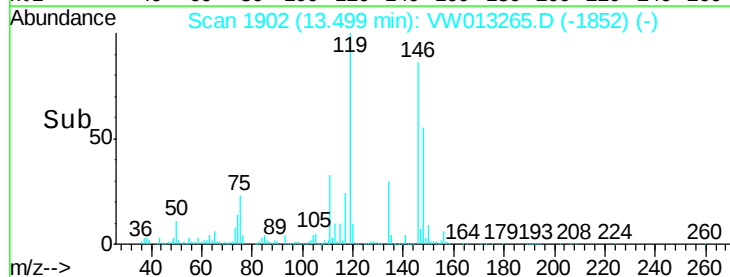
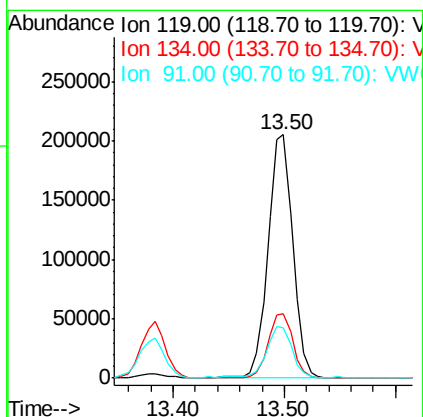
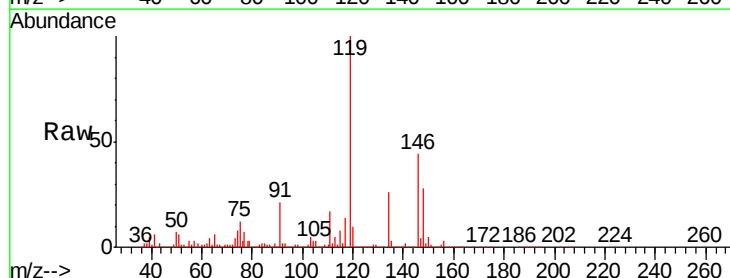
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

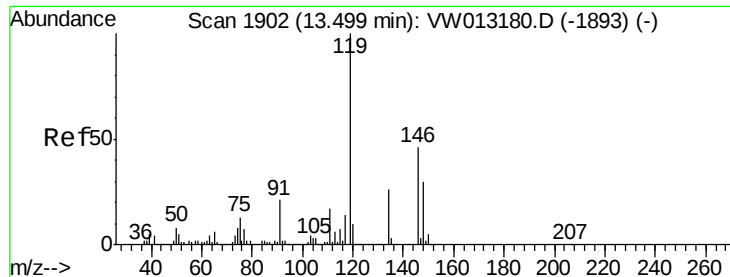
Tgt Ion:105 Resp: 344784
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.203 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion:119 Resp: 316679
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 21.7 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 19.801 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

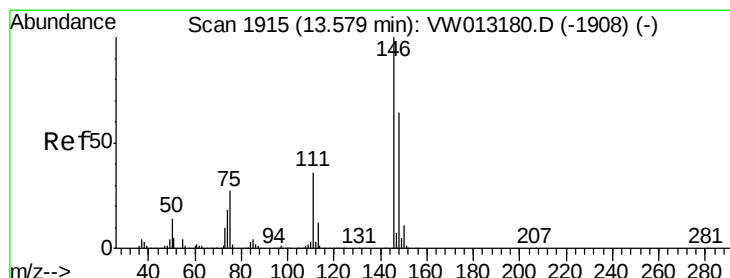
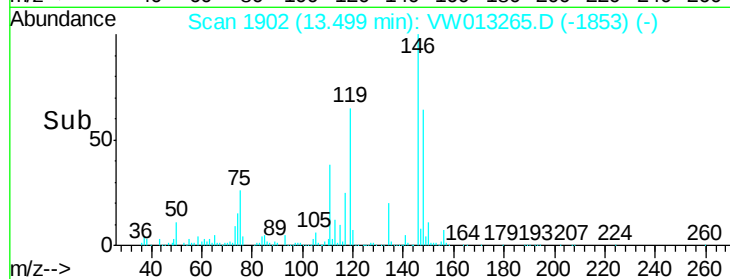
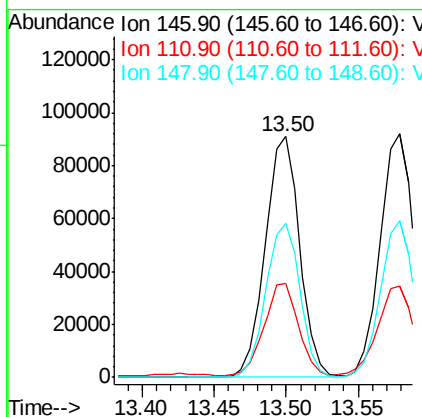
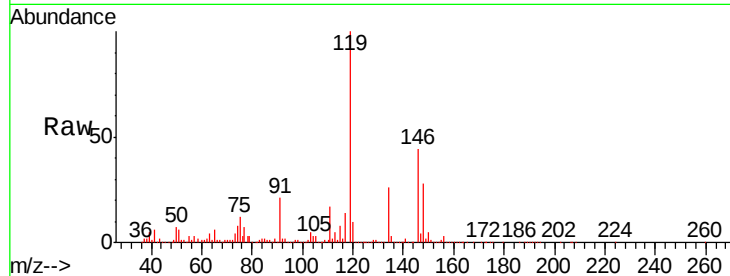
Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 150037

Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.9	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 19.987 ug/l

RT: 13.58 min Scan# 1915

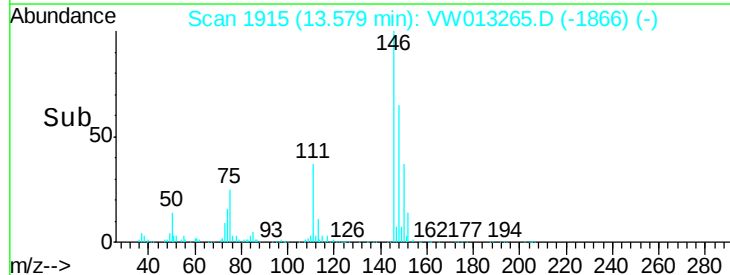
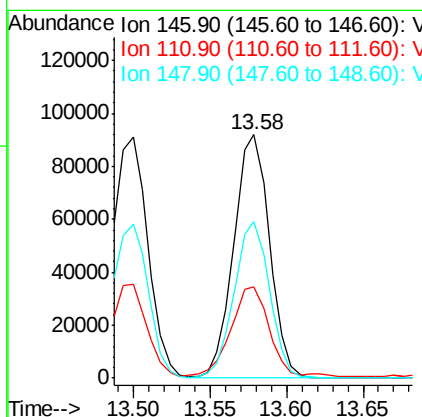
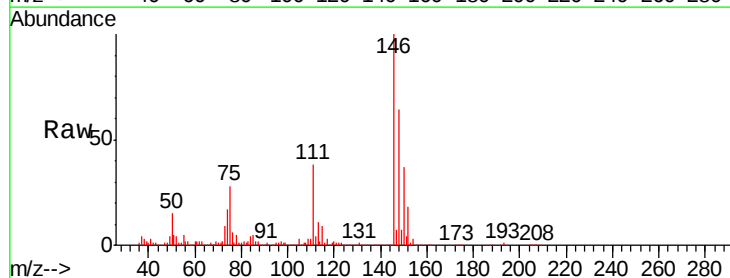
Delta R.T. -0.00 min

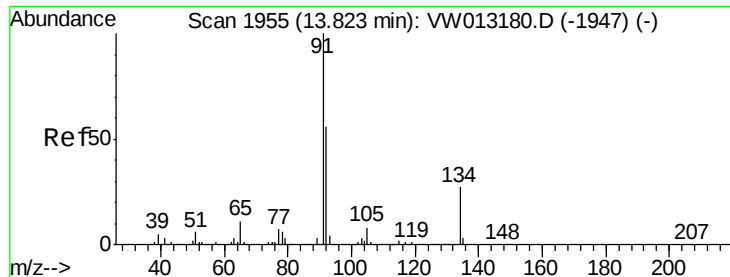
Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:146 Resp: 148526

Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.4	55.0
148	63.5	32.1	96.3





#89

n-Butylbenzene

Concen: 19.978 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

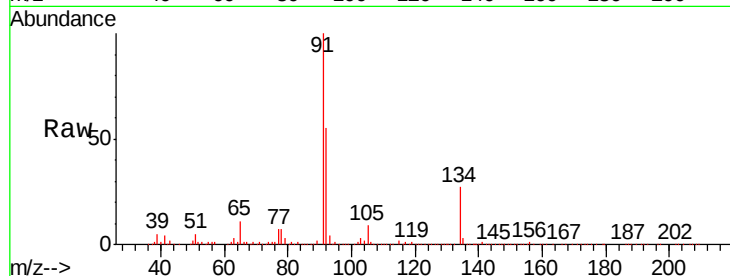
Tgt Ion: 91 Resp: 285939

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.8

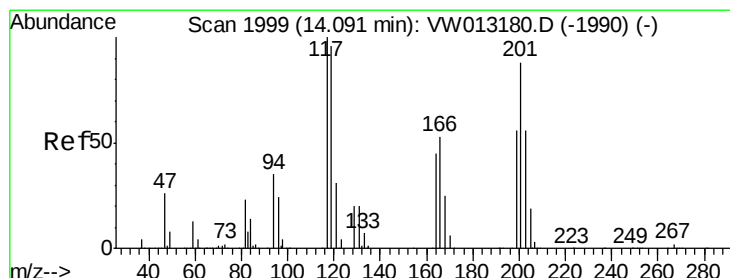
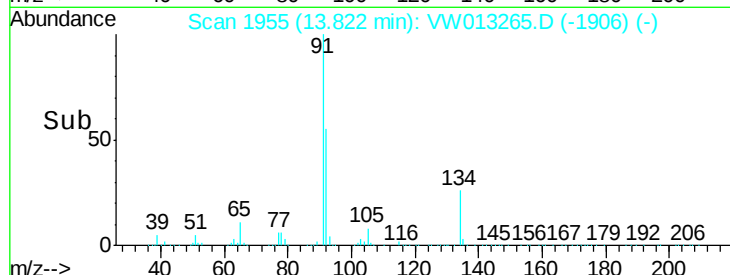
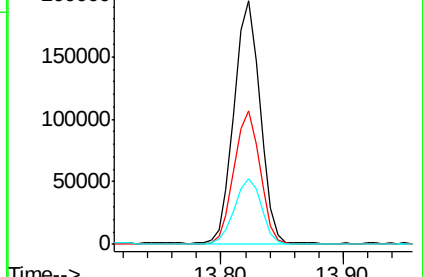
134 28.0 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.572 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013265.D

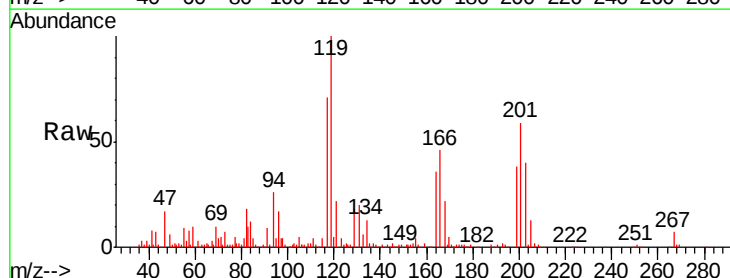
Acq: 24 Sep 2019 08:05

Tgt Ion: 117 Resp: 51538

Ion Ratio Lower Upper

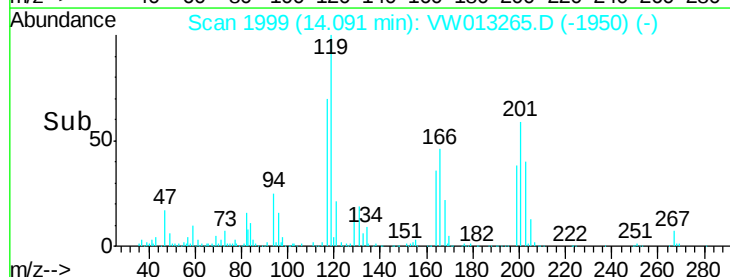
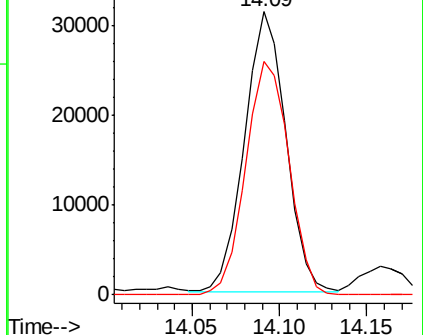
117 100

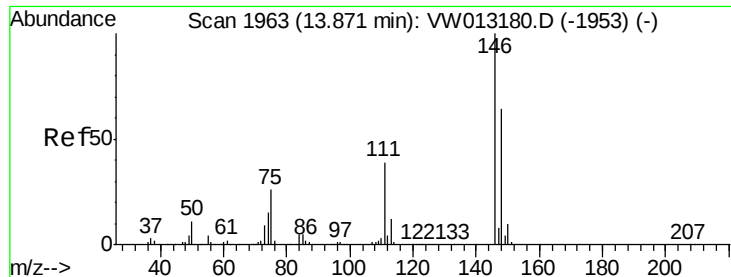
201 87.2 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.409 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

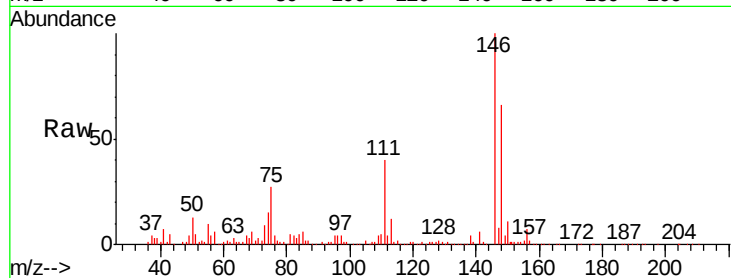
Tgt Ion:146 Resp: 133787

Ion Ratio Lower Upper

146 100

111 41.4 20.1 60.3

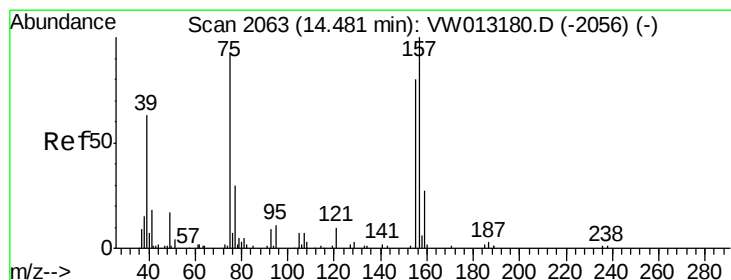
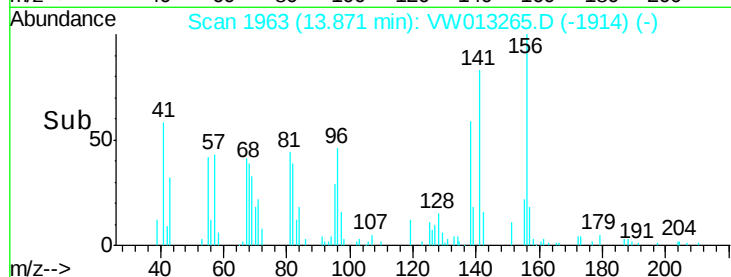
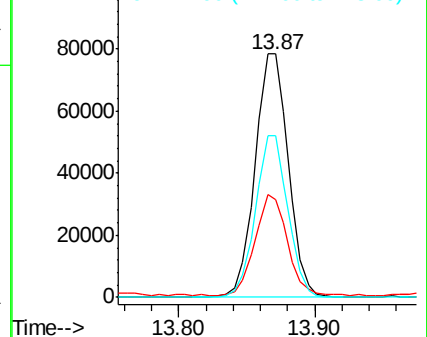
148 64.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.151 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

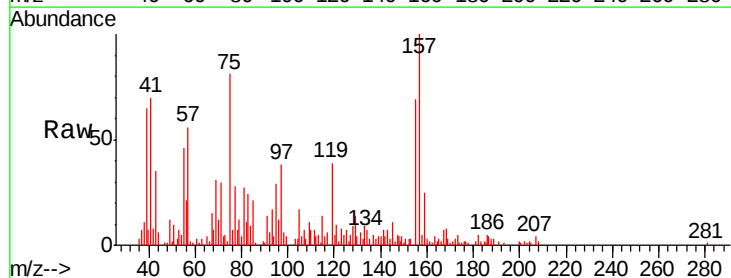
Tgt Ion: 75 Resp: 9839

Ion Ratio Lower Upper

75 100

155 98.5 46.1 138.3

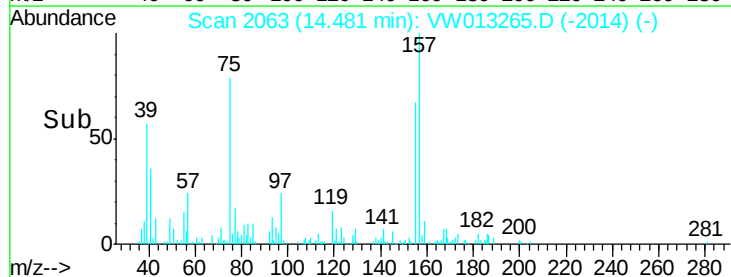
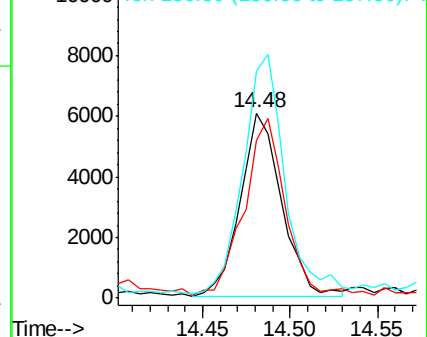
157 134.0 60.4 181.2

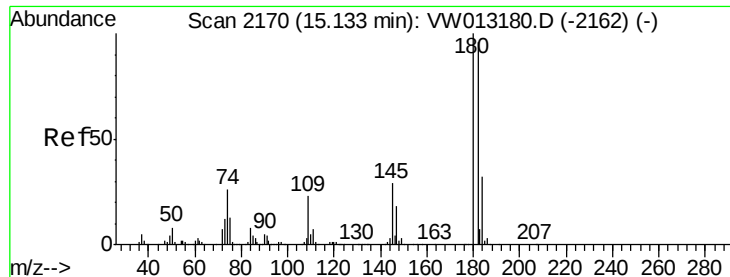


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

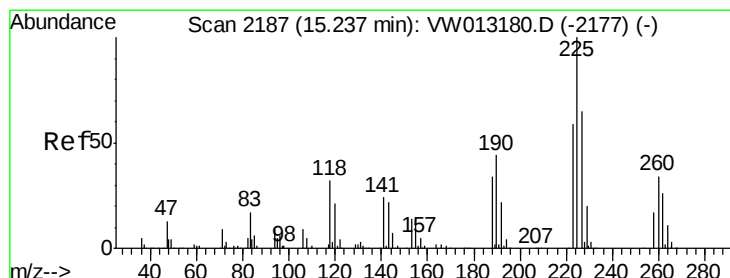
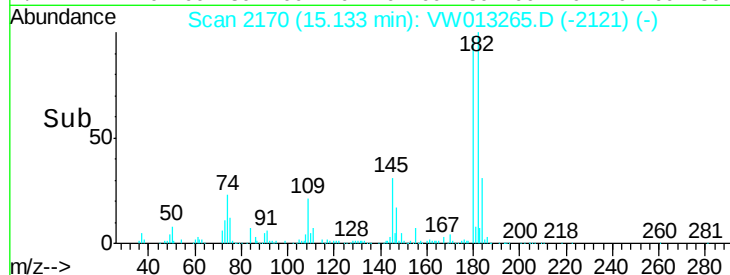
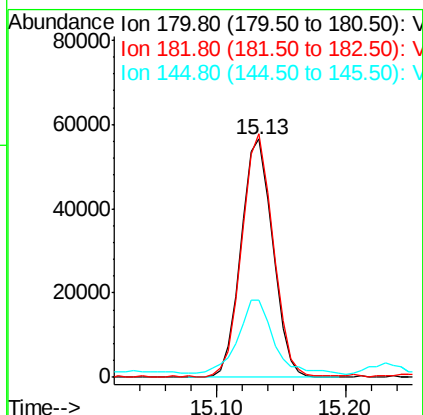
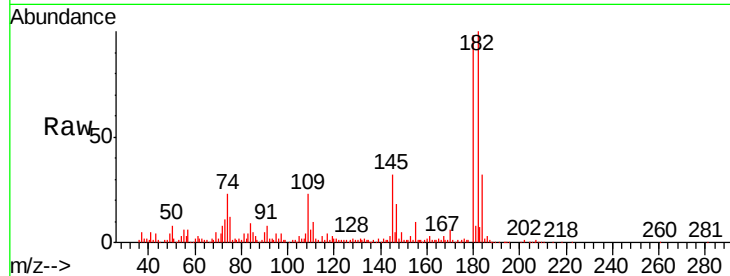




#93
 1,2,4-Trichlorobenzene
 Concen: 20.442 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

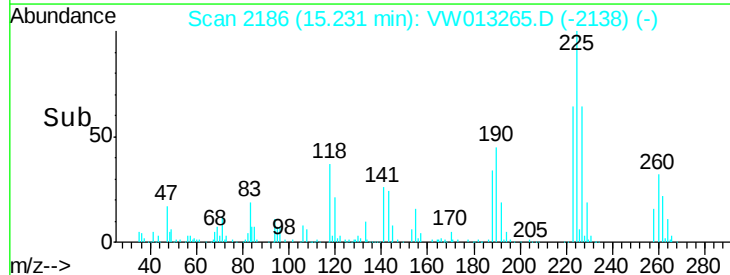
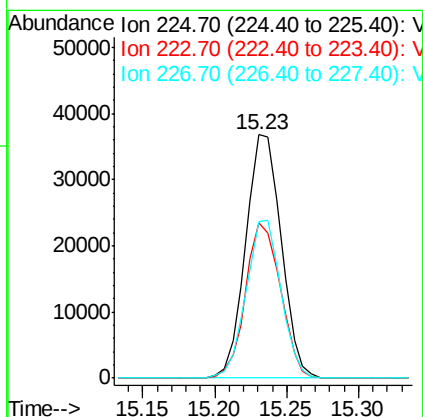
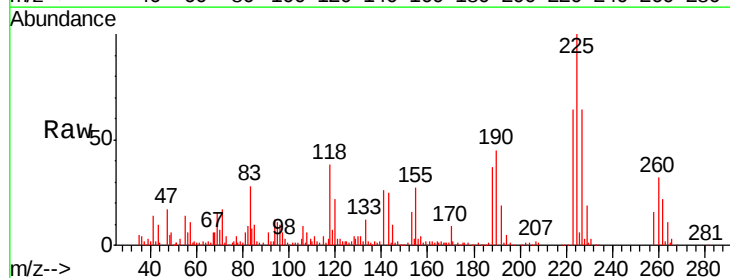
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

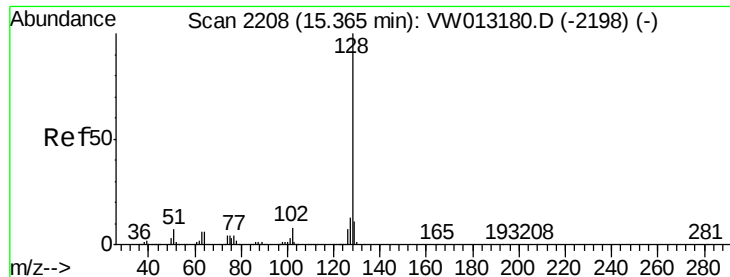
Tgt Ion:180 Resp: 96024
 Ion Ratio Lower Upper
 180 100
 182 101.5 47.3 142.0
 145 36.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.540 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion:225 Resp: 62794
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.6 91.8
 227 63.6 31.9 95.9

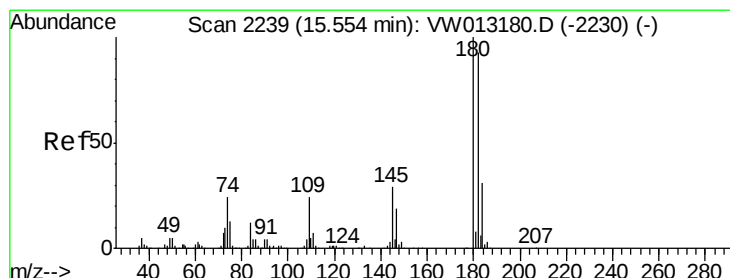
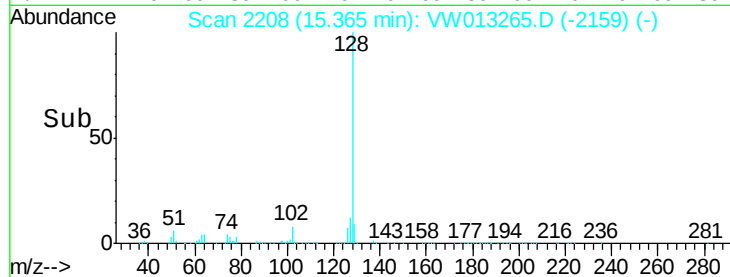
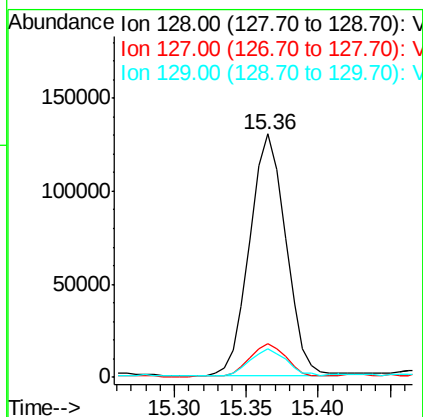
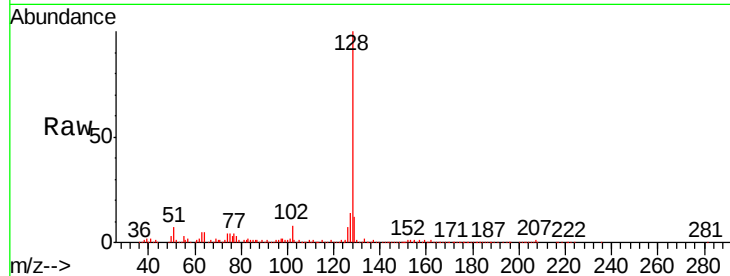




#95
Naphthalene
Concen: 29.514 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 226741
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.725 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:180 Resp: 88176
Ion Ratio Lower Upper
180 100
182 93.2 47.9 143.7
145 42.2 15.0 45.0

