

Data File : VW013175.D
Acq On : 19 Sep 2019 21:18
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 20 07:50:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	200895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131544	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.88	113	127389	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.32	98	508033	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.62	95	181431	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	44813	39.318	ug/l	99
3) Chloromethane	2.21	50	60749	42.720	ug/l	97
4) Vinyl Chloride	2.36	62	83574	40.165	ug/l	97
5) Bromomethane	2.77	94	57678	45.391	ug/l	96
6) Chloroethane	2.91	64	57444	45.013	ug/l	97
7) Trichlorofluoromethane	3.26	101	59484	40.881	ug/l	100
8) Diethyl Ether	3.68	74	65655	57.787	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	108608	49.214	ug/l	97
10) Methyl Iodide	4.27	142	153563	55.601	ug/l	95
11) Tert butyl alcohol	5.19	59	48354	268.373	ug/l	97
12) 1,1-Dichloroethene	4.04	96	100076	49.874	ug/l	92
13) Acrolein	3.89	56	30499	151.327	ug/l	99
14) Allyl chloride	4.66	41	185064	48.581	ug/l	91
15) Acrylonitrile	5.37	53	163286	281.389	ug/l	99
16) Acetone	4.13	43	132432	225.396	ug/l	91
17) Carbon Disulfide	4.38	76	167393	41.861	ug/l	100
18) Methyl Acetate	4.67	43	82068	53.653	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	228933	57.798	ug/l	95
20) Methylene Chloride	4.91	84	156304	74.614	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	112016	52.122	ug/l	95
22) Diisopropyl ether	6.31	45	444012	56.107	ug/l	96
23) Vinyl Acetate	6.25	43	1259427	265.711	ug/l #	95
24) 1,1-Dichloroethane	6.21	63	234134	51.314	ug/l	99
25) 2-Butanone	7.17	43	209311	245.176	ug/l	91
26) 2,2-Dichloropropane	7.17	77	134354	46.056	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	148383	57.670	ug/l	89
28) Bromochloromethane	7.51	49	110681	57.632	ug/l	92
29) Tetrahydrofuran	7.53	42	132665	272.731	ug/l	94
30) Chloroform	7.67	83	245454	52.943	ug/l	99
31) Cyclohexane	7.95	56	165372	48.122	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	180257	47.213	ug/l	98
36) 1,1-Dichloropropene	8.08	75	162550	46.502	ug/l	97
37) Ethyl Acetate	7.25	43	95606	51.529	ug/l	96
38) Carbon Tetrachloride	8.07	117	158196	44.162	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	180867	47.219	ug/l	95
40) Benzene	8.32	78	512973	52.567	ug/l	99
41) Methacrylonitrile	7.48	41	65203	53.364	ug/l	92
42) 1,2-Dichloroethane	8.40	62	156475	47.834	ug/l	94
43) Isopropyl Acetate	8.42	43	181287	50.889	ug/l	96
44) Trichloroethene	9.09	130	139416	52.159	ug/l	88
45) 1,2-Dichloropropane	9.37	63	145251	56.024	ug/l	99
46) Dibromomethane	9.46	93	69254	55.754	ug/l	98
47) Bromodichloromethane	9.64	83	182362	52.340	ug/l	100
48) Methyl methacrylate	9.43	41	83890	50.176	ug/l	91
49) 1,4-Dioxane	9.46	88	22368	1074.681	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	481115	261.590	ug/l	95
52) Toluene	10.38	92	340215	54.866	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	182593	52.108	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	215516	53.753	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	112228	59.309	ug/l	94
56) Ethyl methacrylate	10.65	69	149686	58.769	ug/l	90
57) 1,3-Dichloropropane	10.93	76	190834	56.851	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	392251	287.088	ug/l	97
59) 2-Hexanone	10.97	43	322463	251.796	ug/l	93
60) Dibromochloromethane	11.13	129	126935	55.485	ug/l	97
61) 1,2-Dibromoethane	11.23	107	99271	57.509	ug/l	98
64) Tetrachloroethene	10.86	164	124127	53.054	ug/l	94
65) Chlorobenzene	11.66	112	381375	54.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	142772	53.183	ug/l	98
67) Ethyl Benzene	11.73	91	667454	51.589	ug/l	99
68) m/p-Xylenes	11.83	106	506127	107.086	ug/l	94
69) o-Xylene	12.16	106	246379	55.603	ug/l	95
70) Styrene	12.18	104	442279	56.110	ug/l	96
71) Bromoform	12.35	173	78401	55.599	ug/l #	98
73) Isopropylbenzene	12.46	105	677778	50.900	ug/l	99
74) N-amyl acetate	12.27	43	171762	50.144	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	133050	56.889	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	164260	93.346	ug/l #	100
77) Bromobenzene	12.74	156	168555	54.946	ug/l	95
78) n-propylbenzene	12.80	91	787706	50.289	ug/l	98
79) 2-Chlorotoluene	12.89	91	456767	50.728	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	571408	50.723	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	40189	51.809	ug/l	92
82) 4-Chlorotoluene	12.99	91	480838	50.612	ug/l	96
83) tert-Butylbenzene	13.21	119	518784	51.485	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	575400	51.689	ug/l	96
85) sec-Butylbenzene	13.38	105	704198	51.295	ug/l	99
86) p-Isopropyltoluene	13.50	119	648678	51.465	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	324717	53.472	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	320598	53.723	ug/l	98
89) n-Butylbenzene	13.82	91	584774	49.195	ug/l	99
90) Hexachloroethane	14.09	117	115025	50.924	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	297044	55.623	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19778	46.200	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091919\
Quantitation Report (Not Reviewed)

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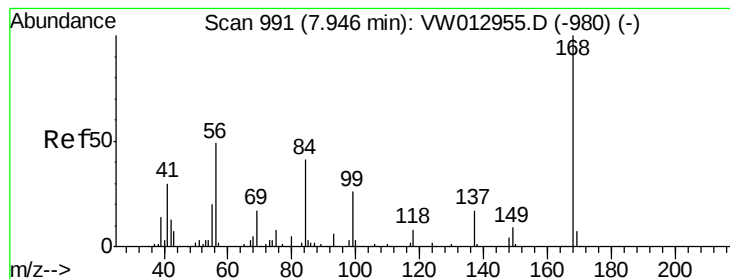
Quant Time: Sep 20 07:50:23 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	209921	55.118	ug/l	97
94) Hexachlorobutadiene	15.24	225	134107	49.740	ug/l	99
95) Naphthalene	15.36	128	380708	59.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	189031	56.148	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

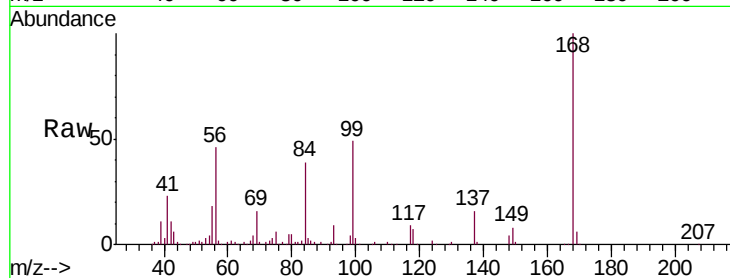
VSTDCCC050EC

Tgt Ion:168 Resp: 290702

Ion Ratio Lower Upper

168 100

99 49.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

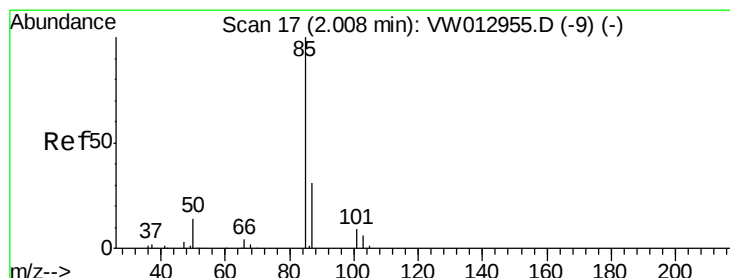
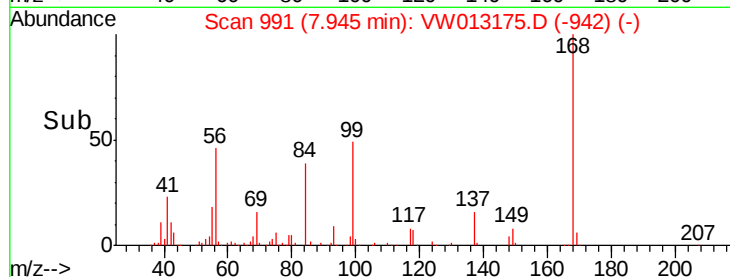
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 39.318 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013175.D

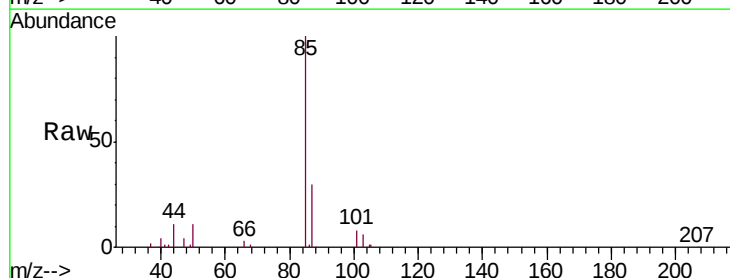
Acq: 19 Sep 2019 21:18

Tgt Ion: 85 Resp: 44813

Ion Ratio Lower Upper

85 100

87 30.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

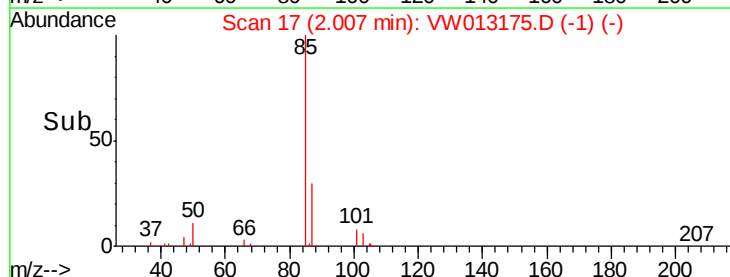
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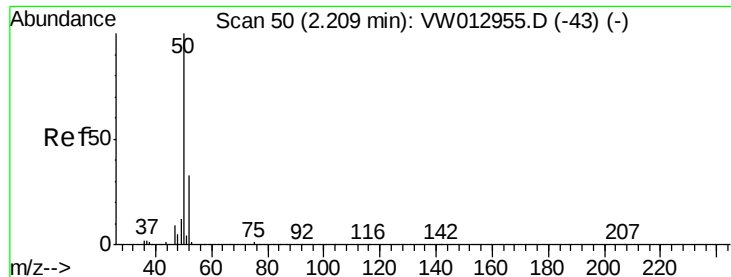
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 42.720 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

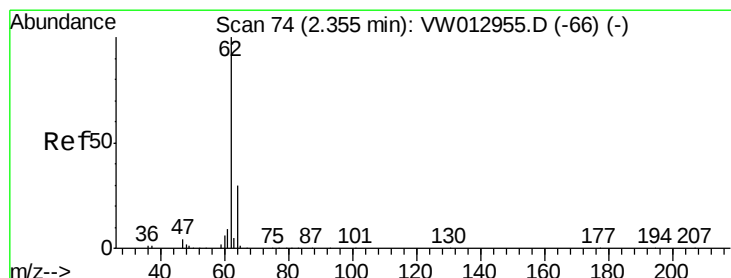
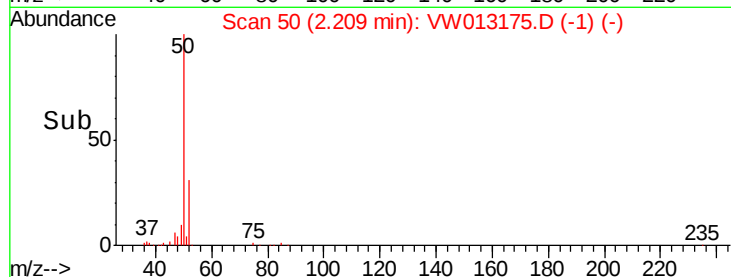
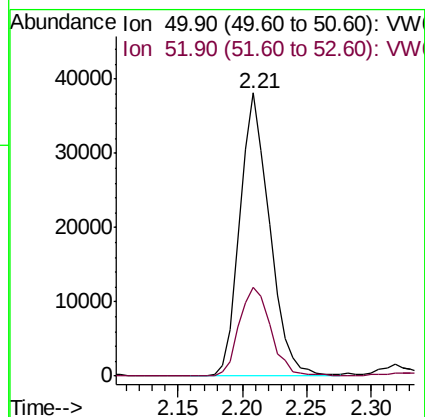
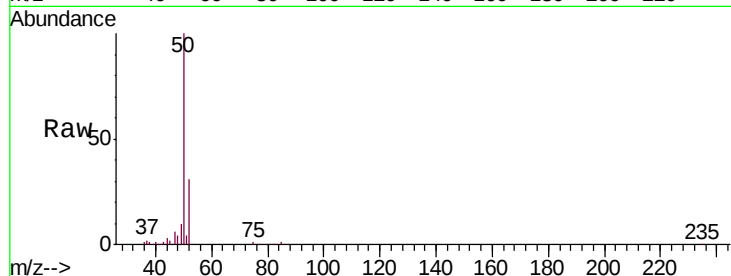
VSTDCCC050EC

Tgt Ion: 50 Resp: 60749

Ion Ratio Lower Upper

50 100

52 31.5 26.6 39.8



#4

Vinyl Chloride

Concen: 40.165 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013175.D

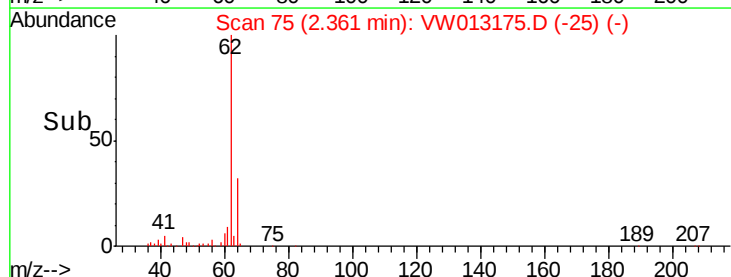
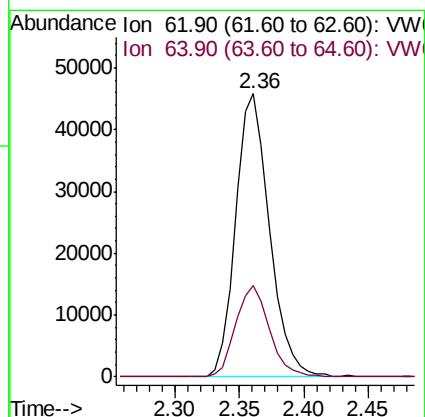
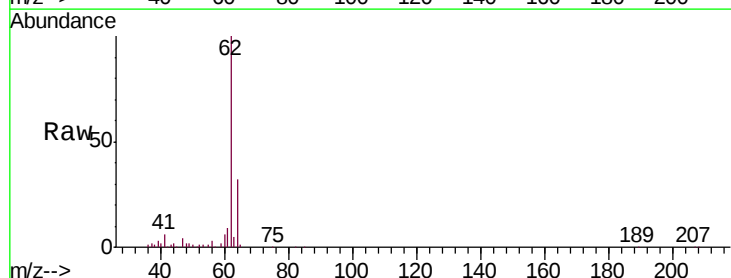
Acq: 19 Sep 2019 21:18

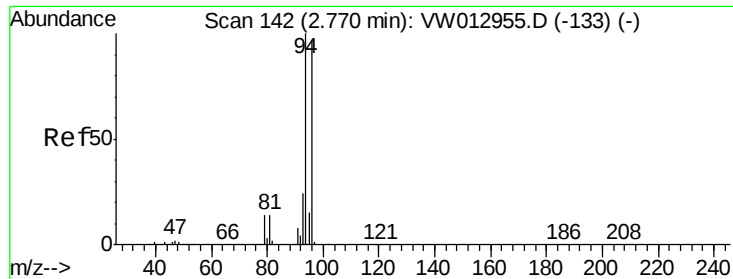
Tgt Ion: 62 Resp: 83574

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4





#5

Bromomethane

Concen: 45.391 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

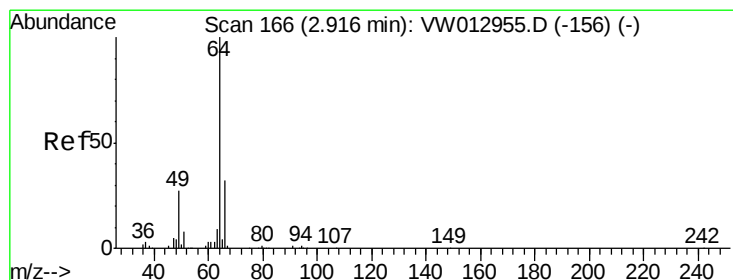
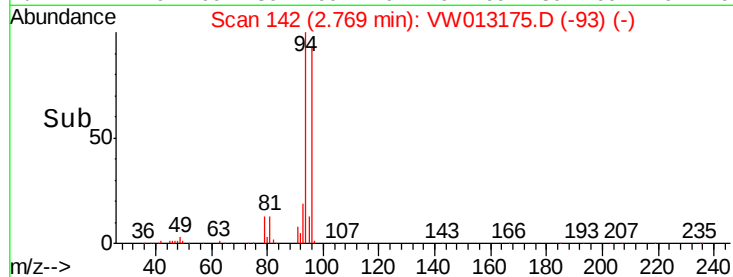
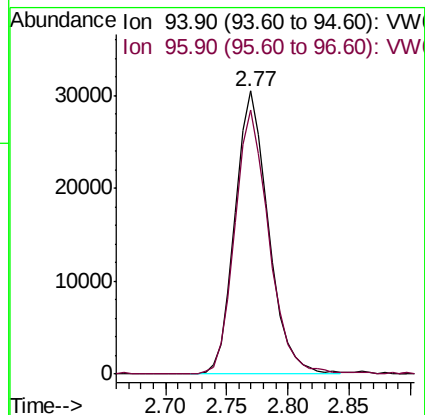
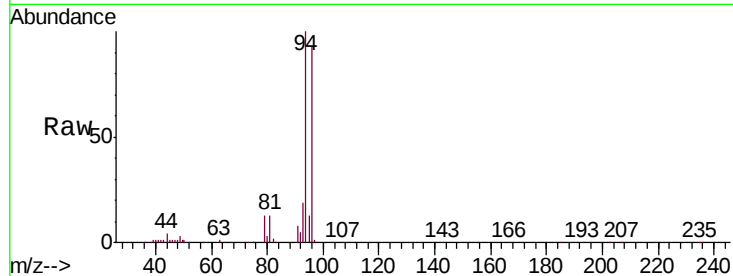
VSTDCCC050EC

Tgt Ion: 94 Resp: 57678

Ion Ratio Lower Upper

94 100

96 93.3 77.8 116.6



#6

Chloroethane

Concen: 45.013 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013175.D

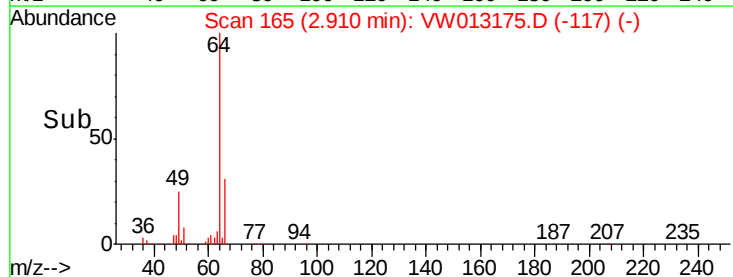
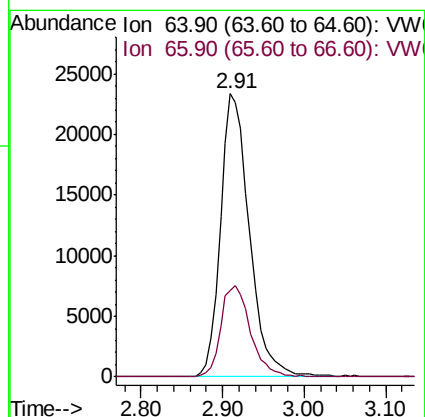
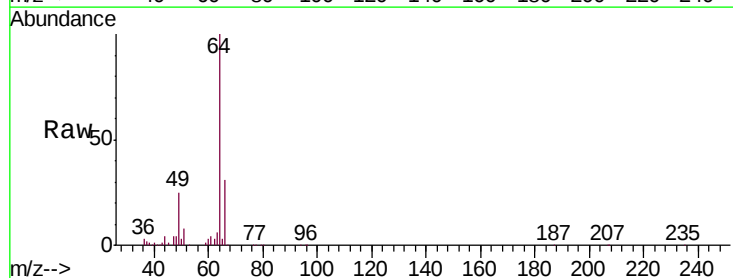
Acq: 19 Sep 2019 21:18

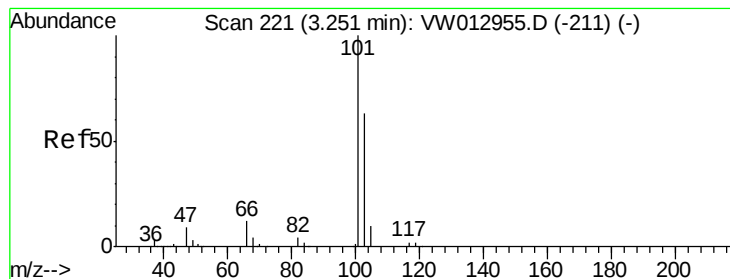
Tgt Ion: 64 Resp: 57444

Ion Ratio Lower Upper

64 100

66 30.7 25.9 38.9



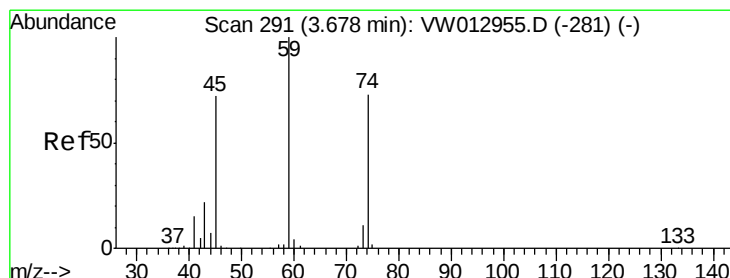
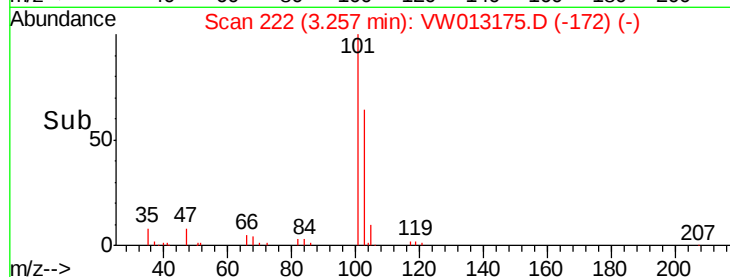
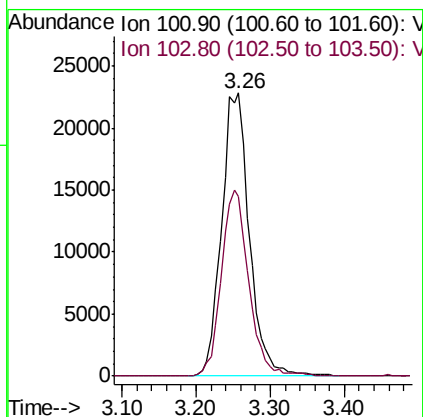
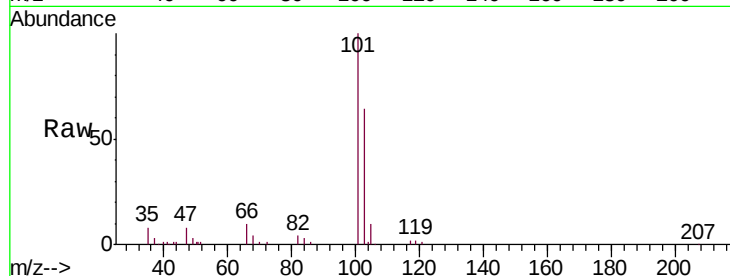


#7

Trichlorofluoromethane
 Concen: 40.881 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW013175.D
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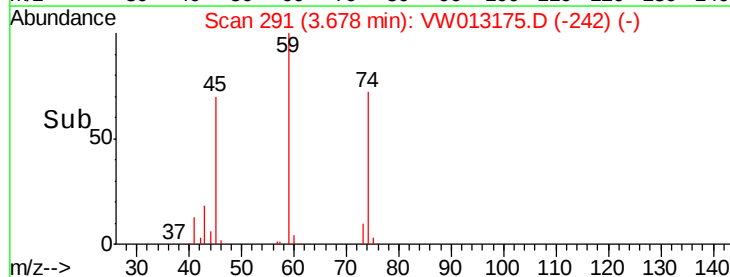
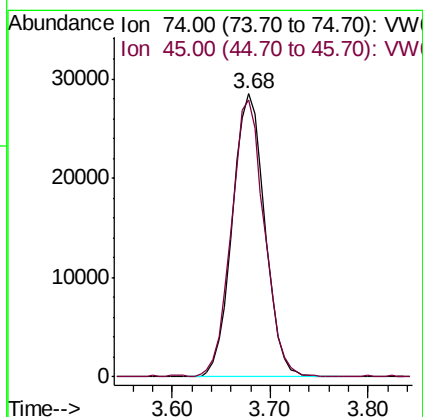
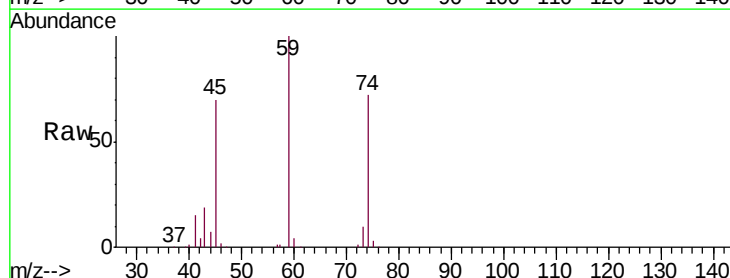
Tgt Ion: 101 Resp: 59484
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.7 76.1

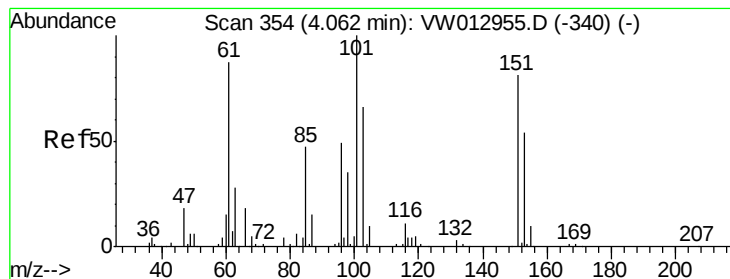


#8

Diethyl Ether
 Concen: 57.787 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 74 Resp: 65655
 Ion Ratio Lower Upper
 74 100
 45 99.7 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.214 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

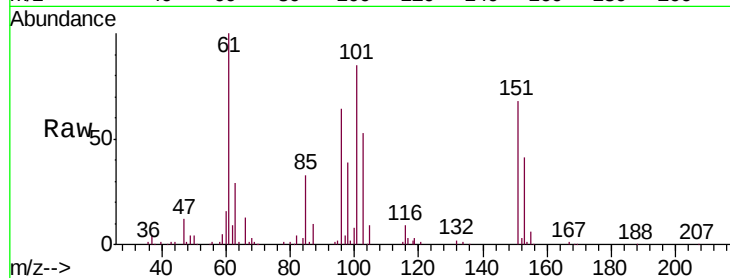
Tgt Ion:101 Resp: 108608

Ion Ratio Lower Upper

101 100

85 39.4 34.9 52.3

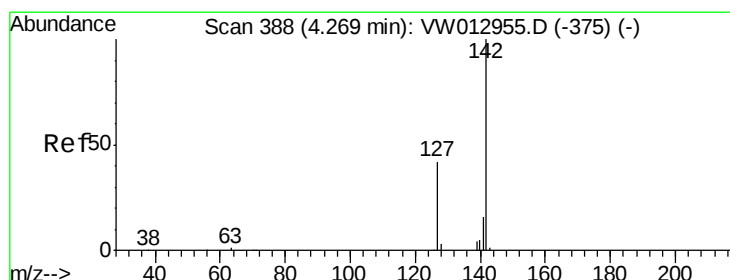
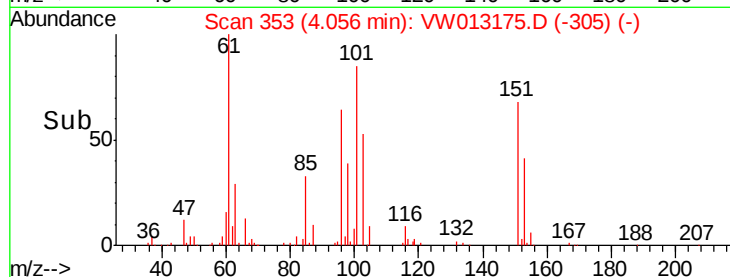
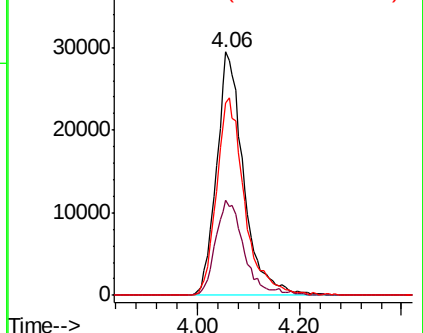
151 83.2 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.601 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

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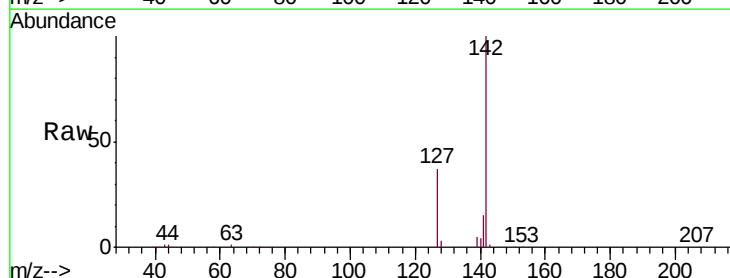
Tgt Ion:142 Resp: 153563

Ion Ratio Lower Upper

142 100

127 39.3 34.7 52.1

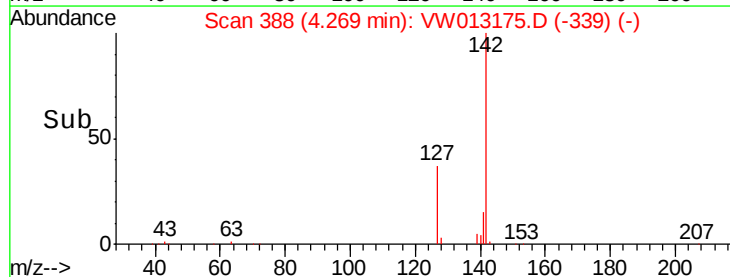
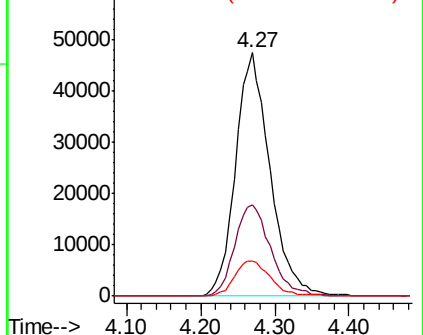
141 15.3 12.2 18.2

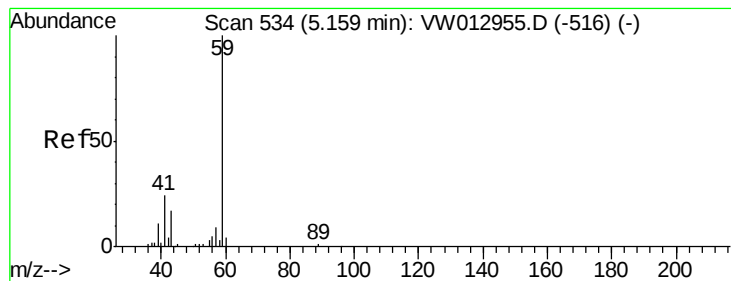


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



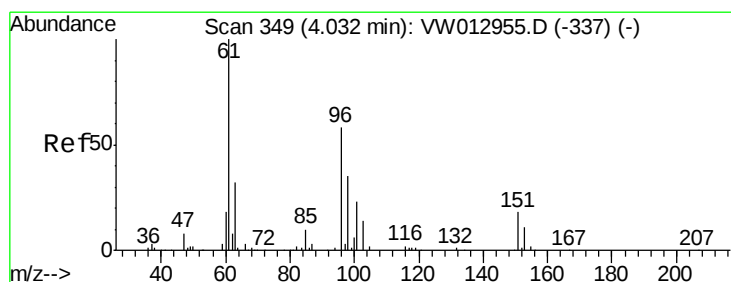
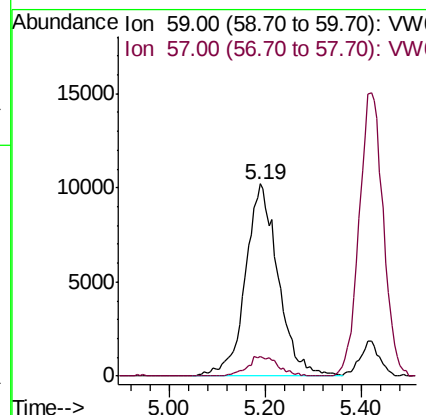
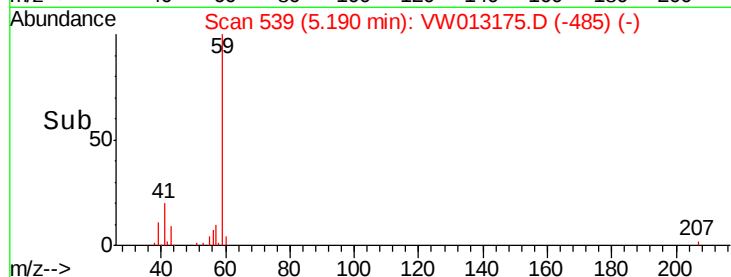
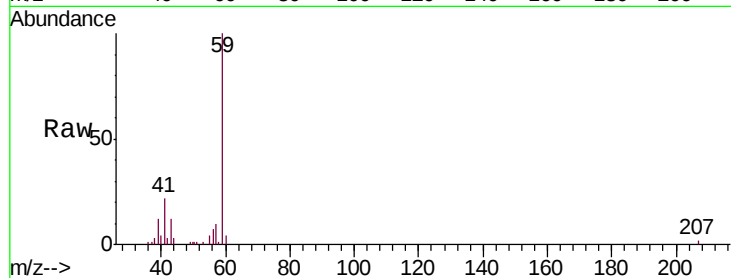


#11

Tert butyl alcohol
Concen: 268.373 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

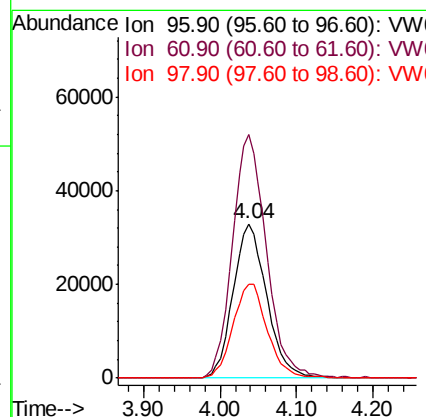
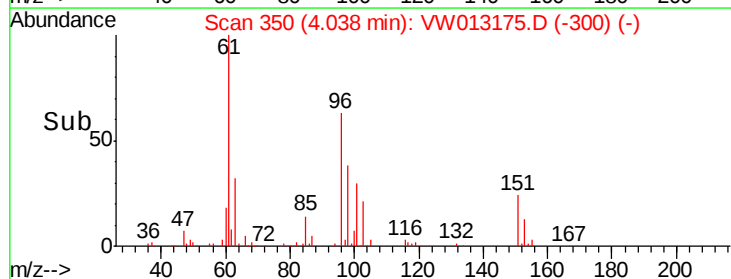
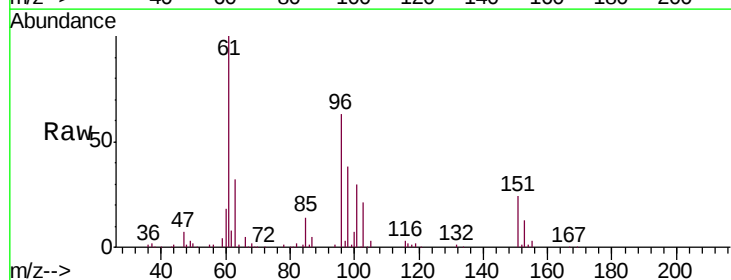
Tgt Ion: 59 Resp: 48354
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7

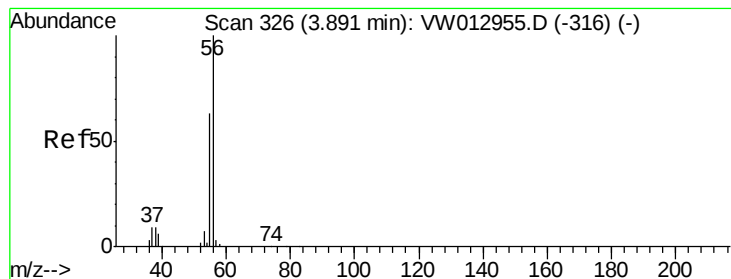


#12

1,1-Dichloroethene
Concen: 49.874 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion: 96 Resp: 100076
Ion Ratio Lower Upper
96 100
61 158.0 137.9 206.9
98 60.5 48.9 73.3





#13

Acrolein

Concen: 151.327 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

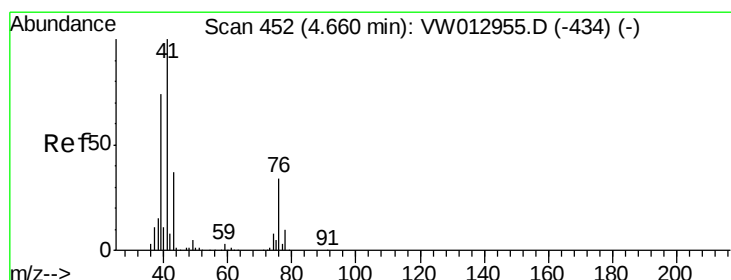
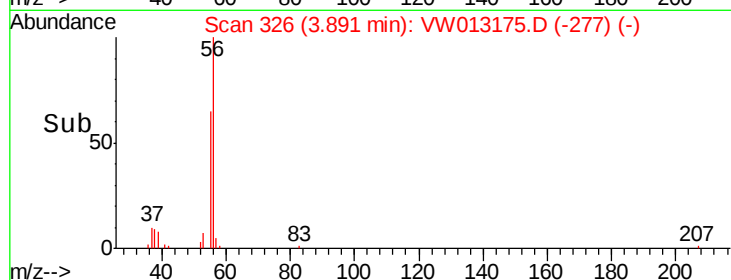
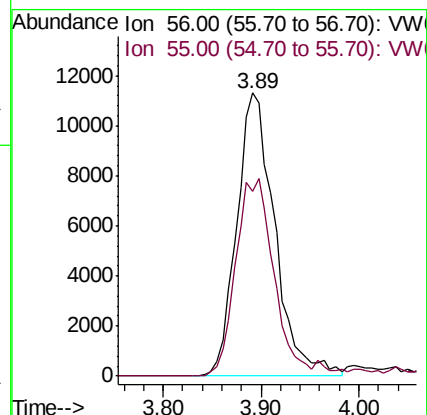
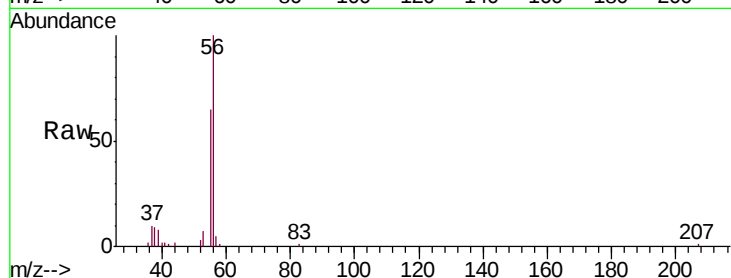
VSTDCCC050EC

Tgt Ion: 56 Resp: 30499

Ion Ratio Lower Upper

56 100

55 69.3 55.8 83.8



#14

Allyl chloride

Concen: 48.581 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

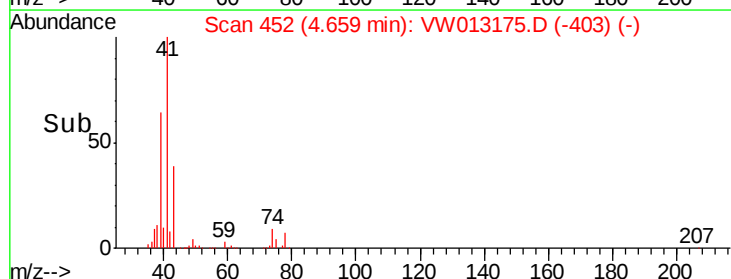
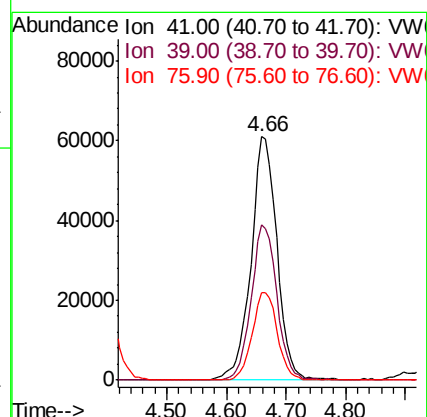
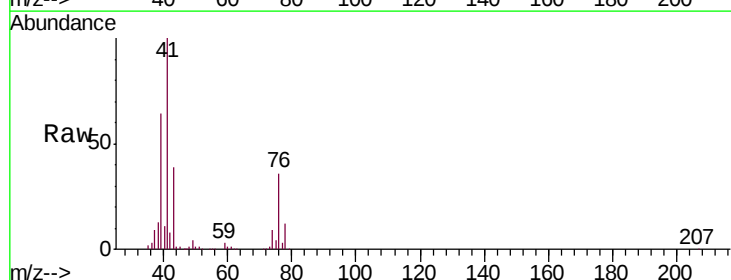
Tgt Ion: 41 Resp: 185064

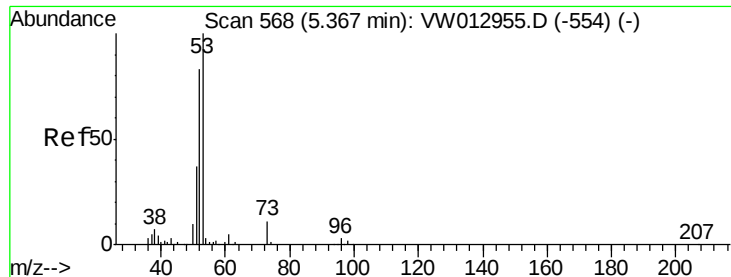
Ion Ratio Lower Upper

41 100

39 62.9 56.7 85.1

76 34.8 25.1 37.7





#15

Acrylonitrile

Concen: 281.389 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

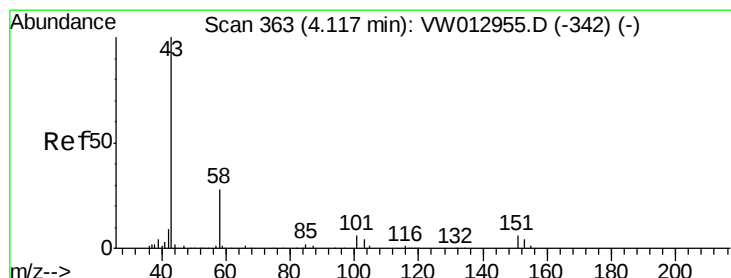
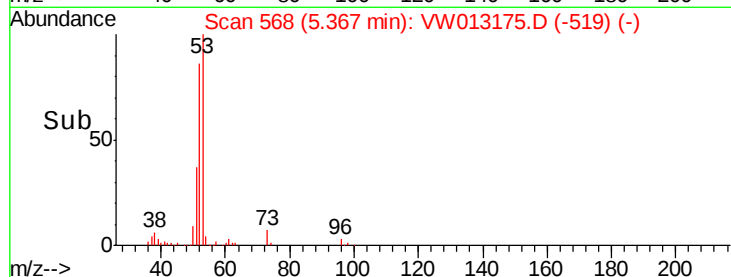
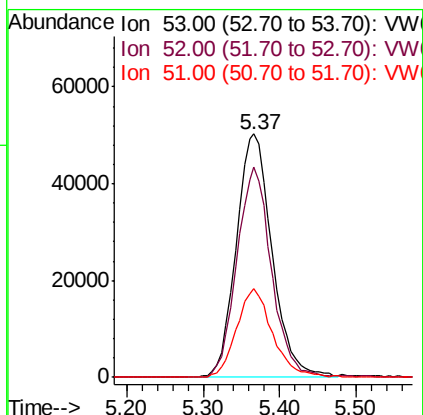
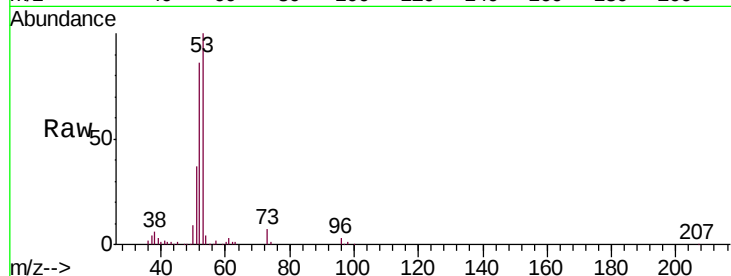
Tgt Ion: 53 Resp: 163286

Ion Ratio Lower Upper

53 100

52 83.6 66.6 100.0

51 36.5 29.8 44.8



#16

Acetone

Concen: 225.396 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013175.D

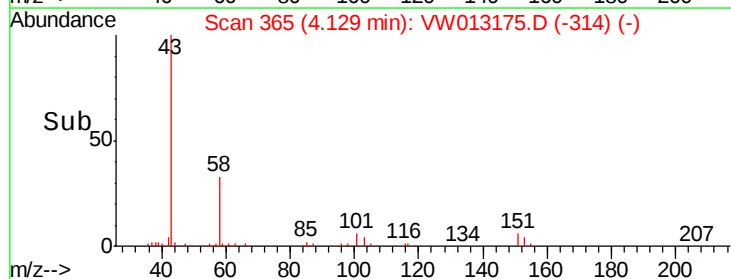
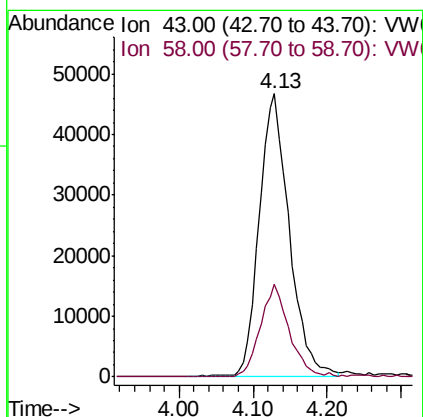
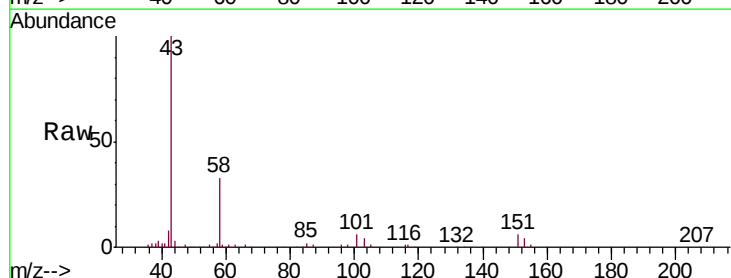
Acq: 19 Sep 2019 21:18

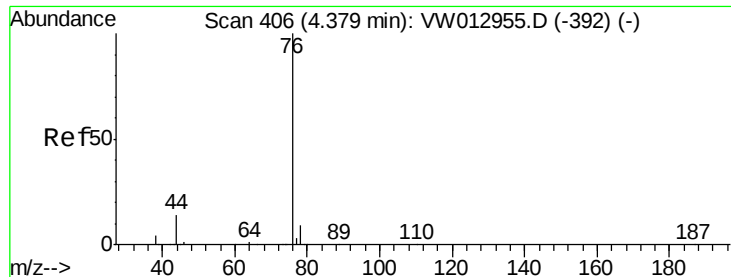
Tgt Ion: 43 Resp: 132432

Ion Ratio Lower Upper

43 100

58 32.6 22.3 33.5

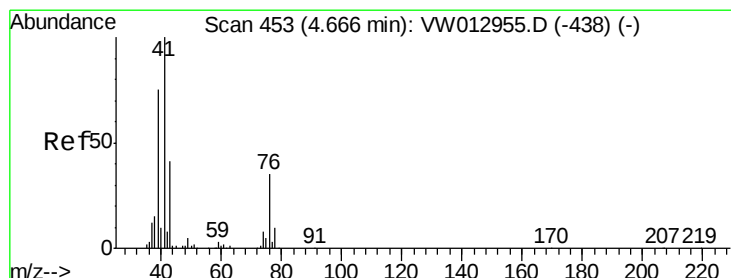
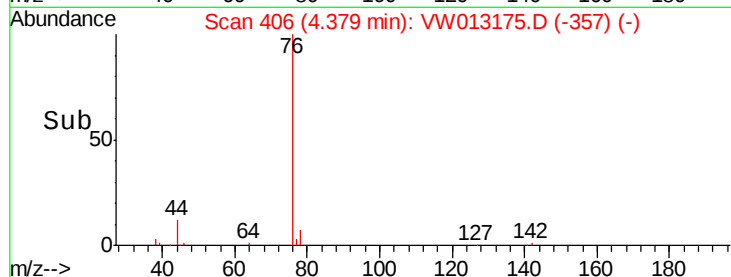
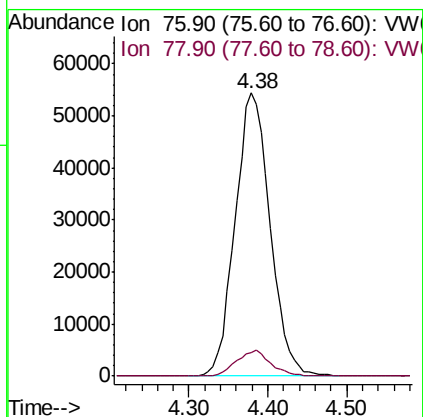
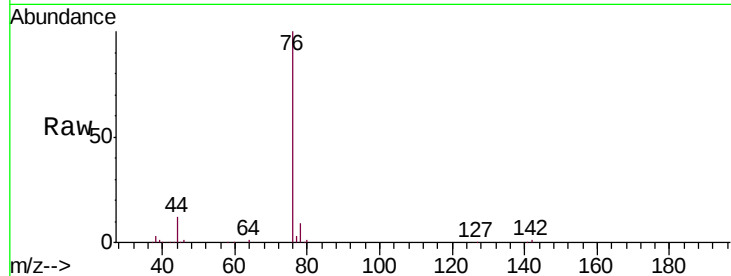




#17
Carbon Disulfide
Concen: 41.861 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

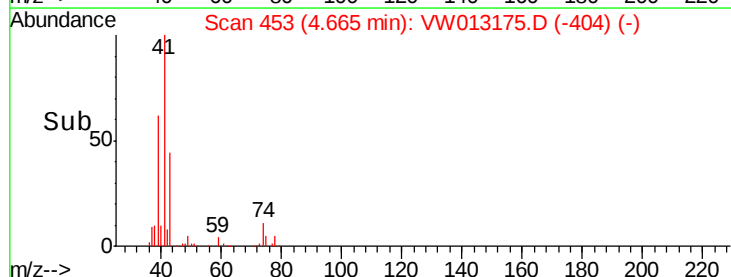
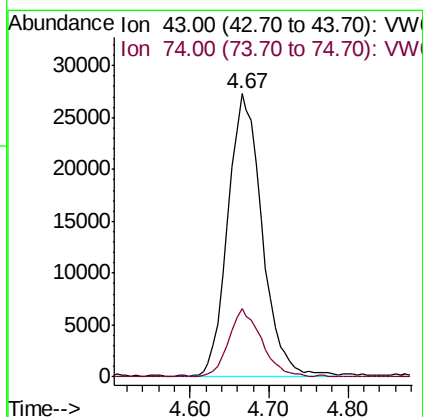
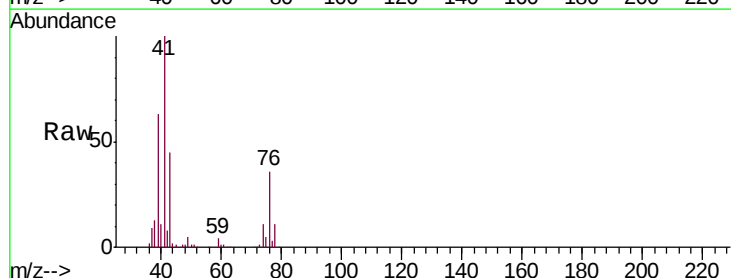
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

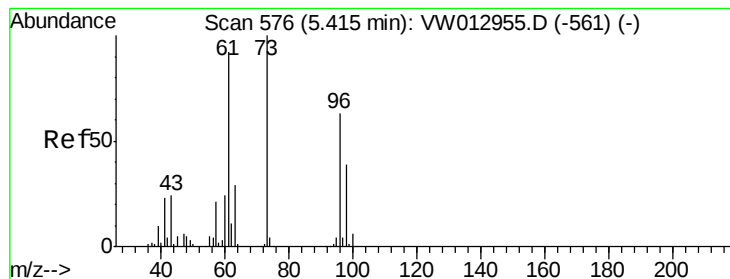
Tgt Ion: 76 Resp: 167393
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#18
Methyl Acetate
Concen: 53.653 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion: 43 Resp: 82068
Ion Ratio Lower Upper
43 100
74 23.2 17.8 26.8



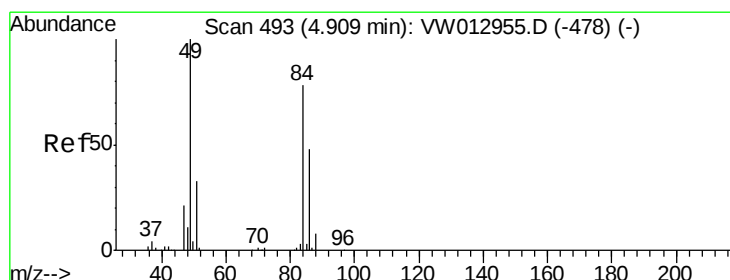
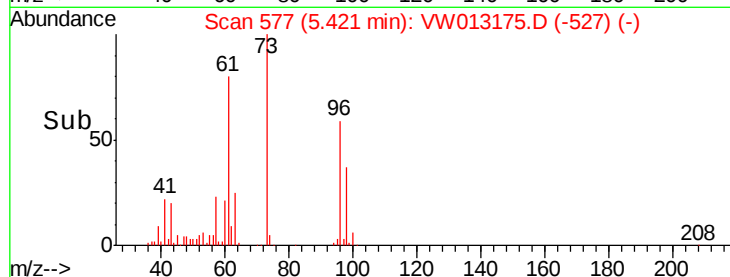
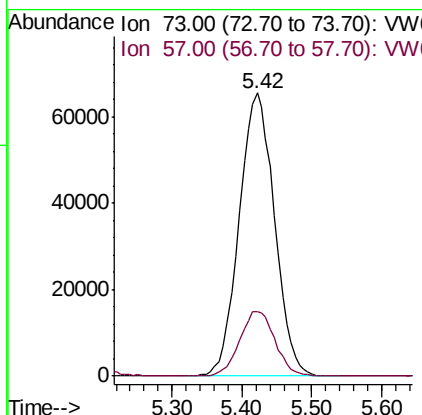
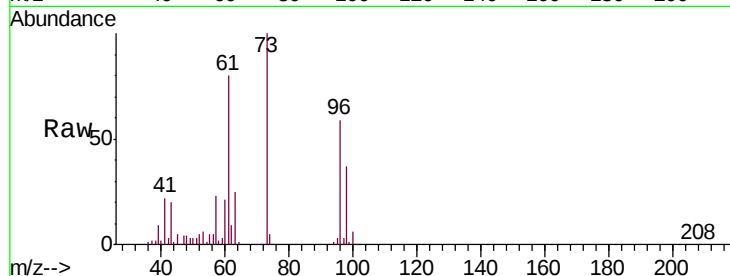


#19

Methyl tert-butyl Ether
 Concen: 57.798 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

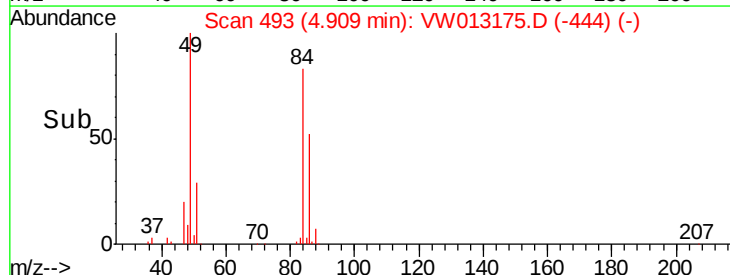
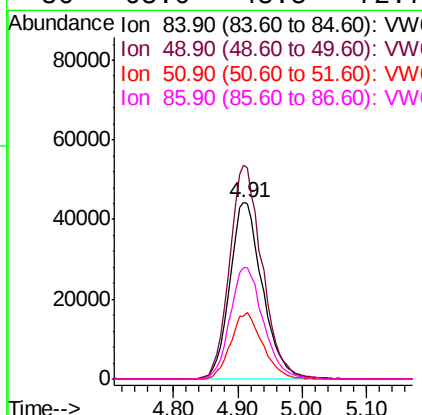
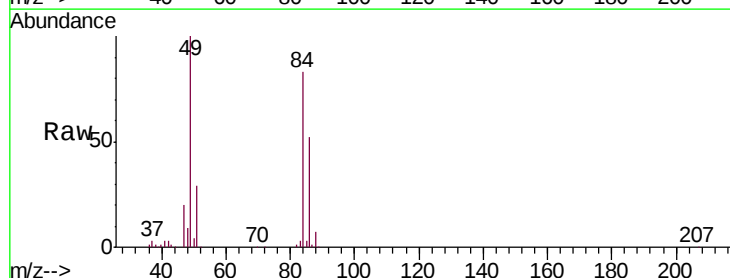
Tgt Ion: 73 Resp: 228933
 Ion Ratio Lower Upper
 73 100
 57 23.0 16.4 24.6

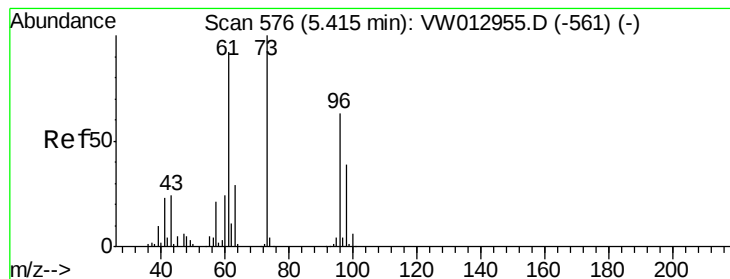


#20

Methylene Chloride
 Concen: 74.614 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 84 Resp: 156304
 Ion Ratio Lower Upper
 84 100
 49 121.0 102.0 153.0
 51 35.2 34.0 51.0
 86 63.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 52.122 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

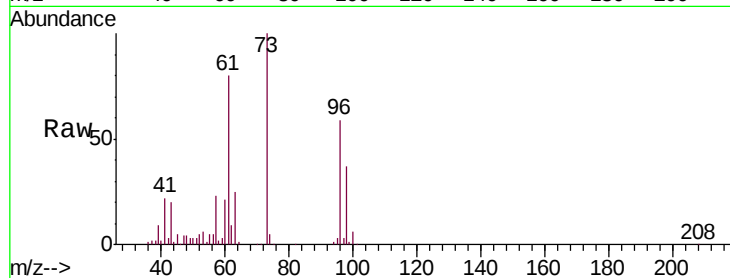
Tgt Ion: 96 Resp: 112016

Ion Ratio Lower Upper

96 100

61 135.8 116.2 174.2

98 62.4 49.8 74.6

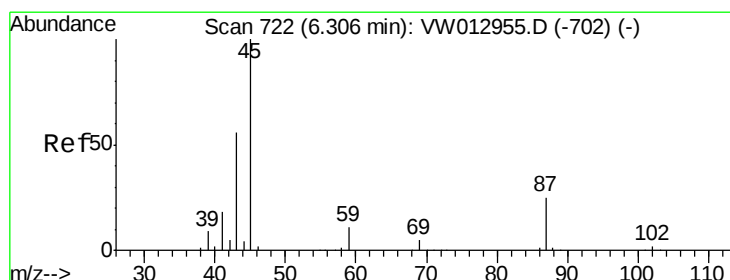
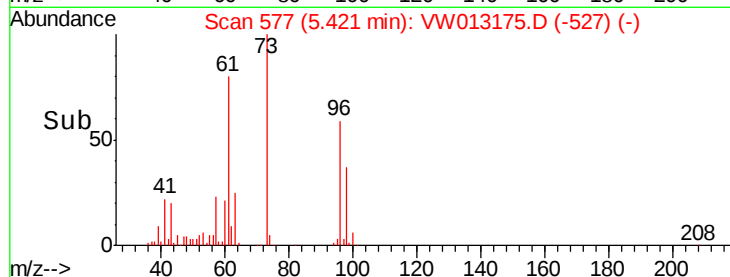
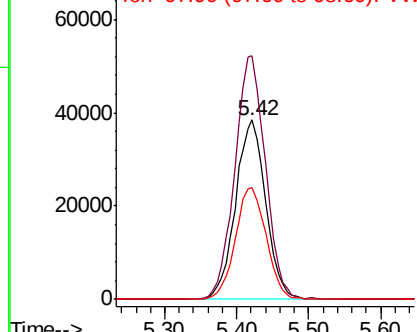


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 56.107 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Tgt Ion: 45 Resp: 444012

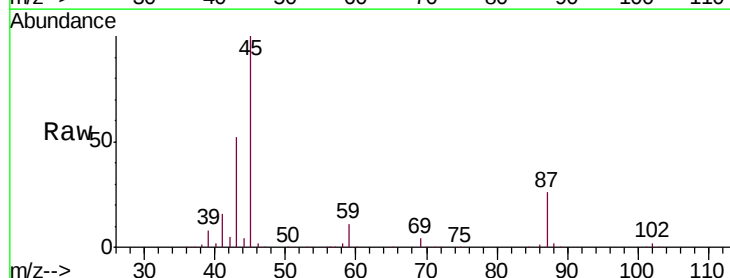
Ion Ratio Lower Upper

45 100

43 50.9 44.6 67.0

87 25.4 20.0 30.0

59 10.7 8.7 13.1



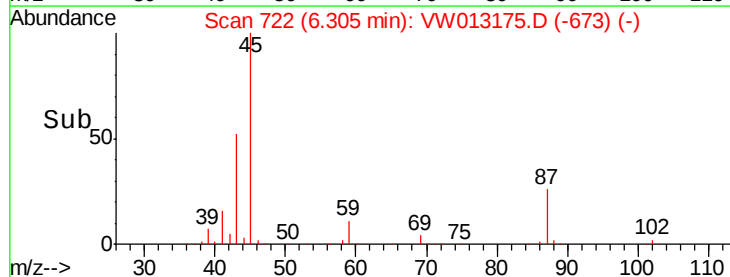
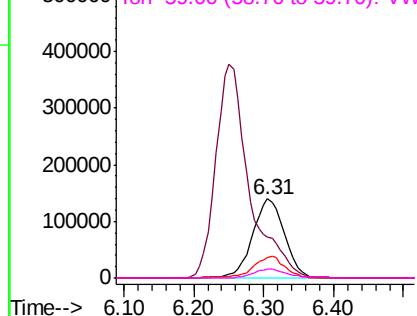
Abundance

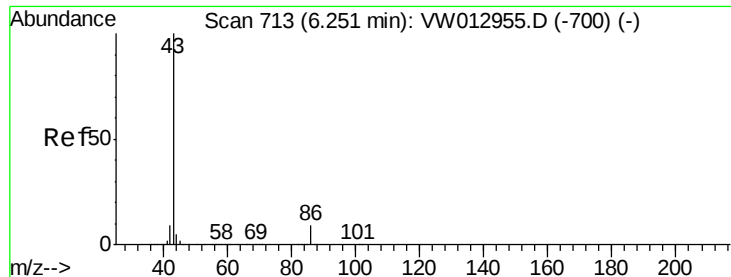
Ion 45.00 (44.70 to 45.70): VW

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: 265.711 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

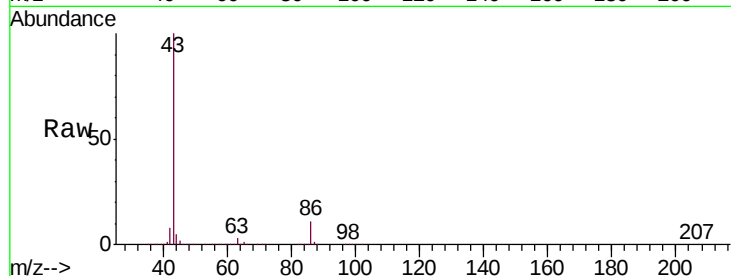
VSTDCCC050EC

Tgt Ion: 43 Resp: 1259427

Ion Ratio Lower Upper

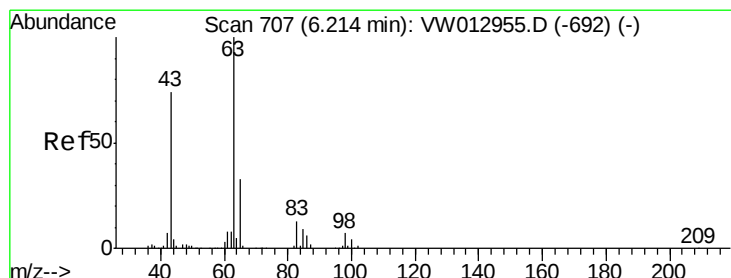
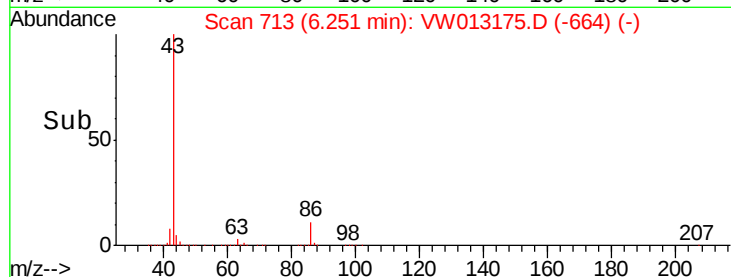
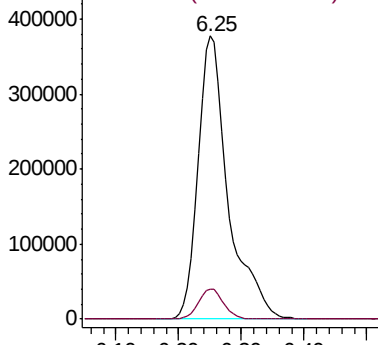
43 100

86 10.6 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.314 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

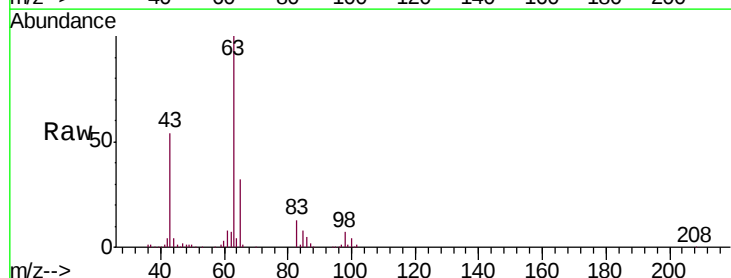
Tgt Ion: 63 Resp: 234134

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

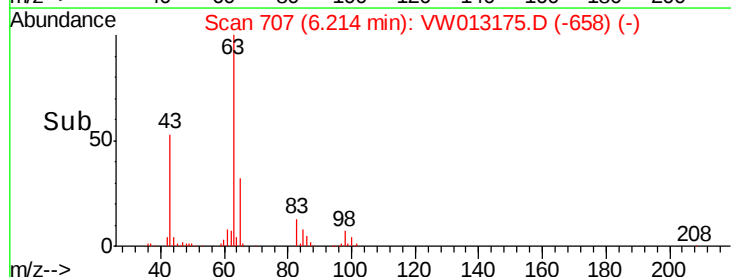
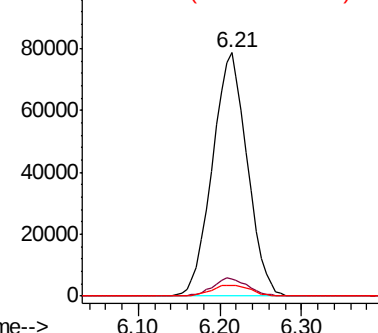
100 4.5 1.8 5.5

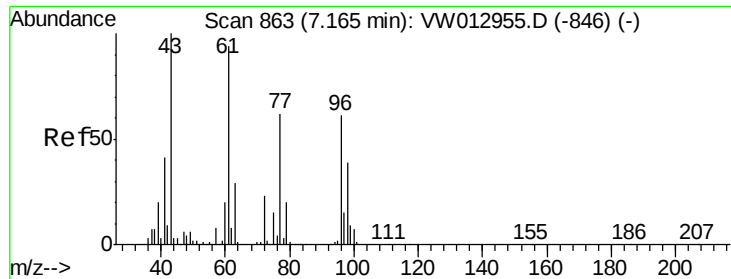


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 245.176 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

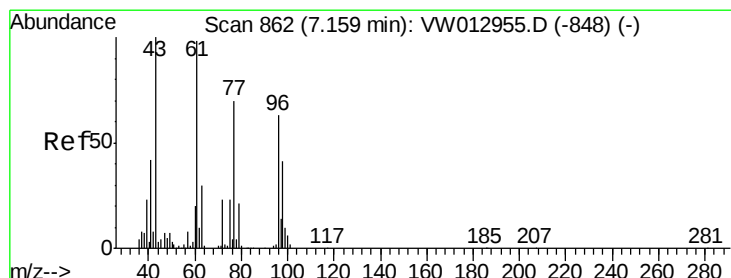
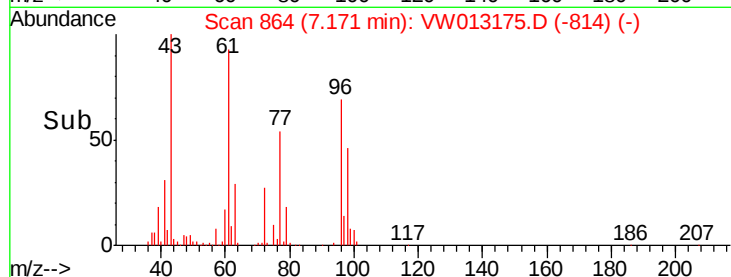
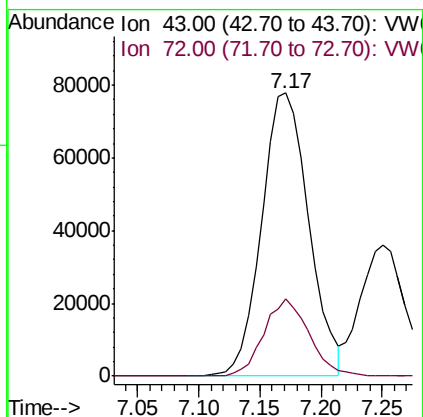
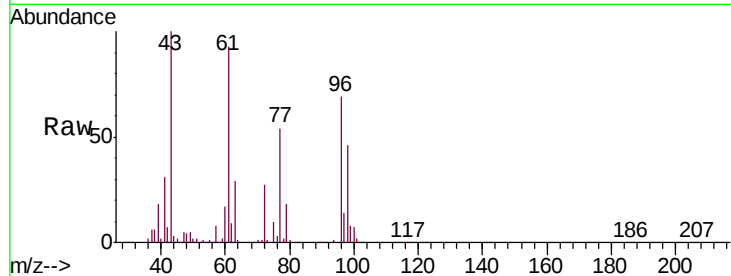
VSTDCCC050EC

Tgt Ion: 43 Resp: 209311

Ion Ratio Lower Upper

43 100

72 27.3 18.2 27.4



#26

2,2-Dichloropropane

Concen: 46.056 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013175.D

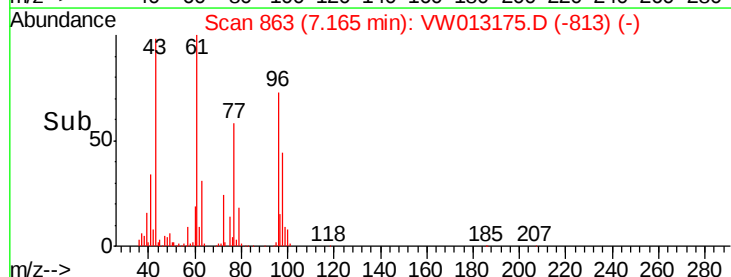
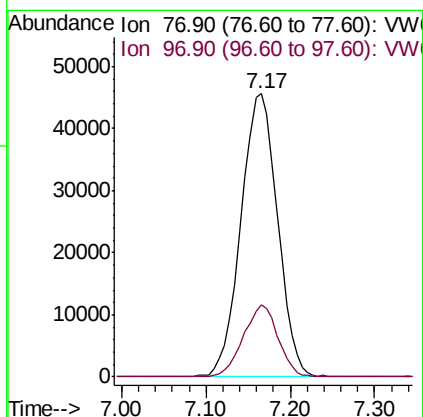
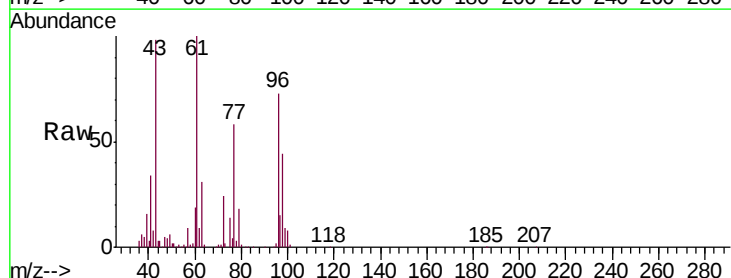
Acq: 19 Sep 2019 21:18

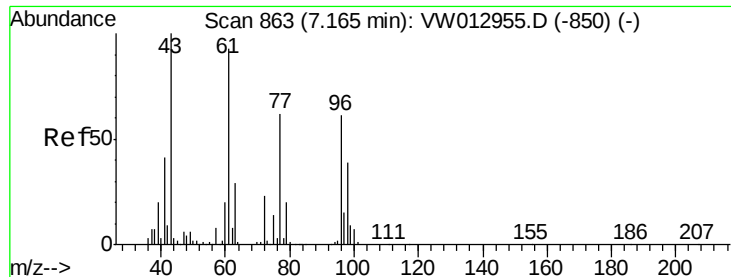
Tgt Ion: 77 Resp: 134354

Ion Ratio Lower Upper

77 100

97 24.2 10.7 32.1



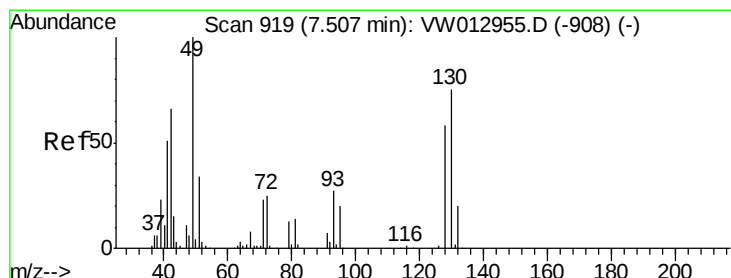
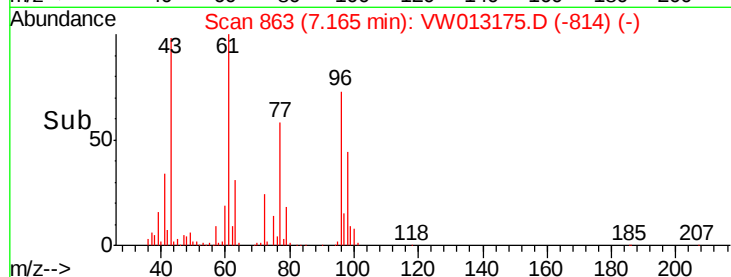
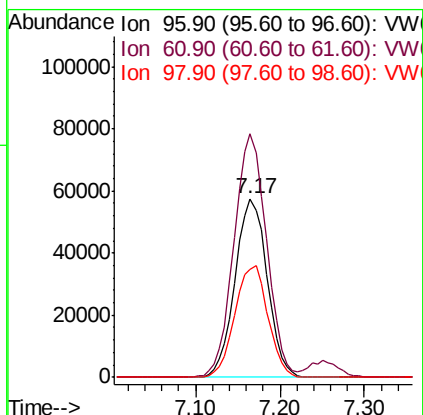
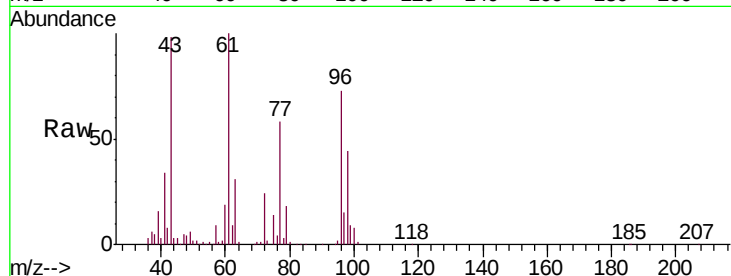


#27

cis-1,2-Dichloroethene
 Concen: 57.670 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

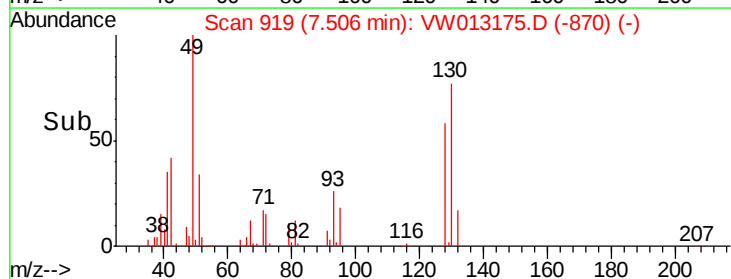
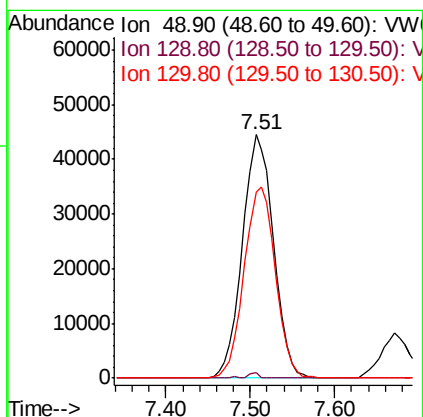
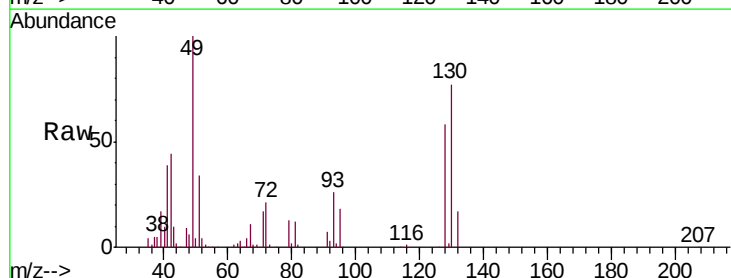
Tgt Ion: 96 Resp: 148383
 Ion Ratio Lower Upper
 96 100
 61 138.0 0.0 315.4
 98 64.2 0.0 131.0

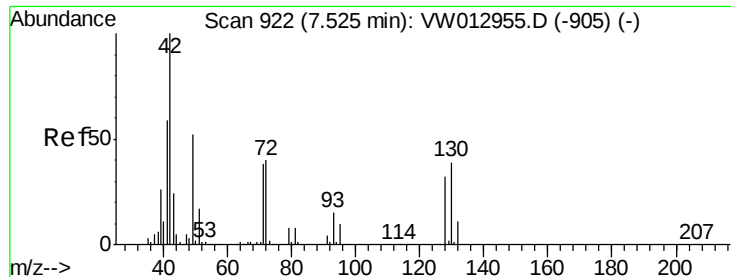


#28

Bromochloromethane
 Concen: 57.632 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 49 Resp: 110681
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 1.4
 130 79.2 57.8 86.6

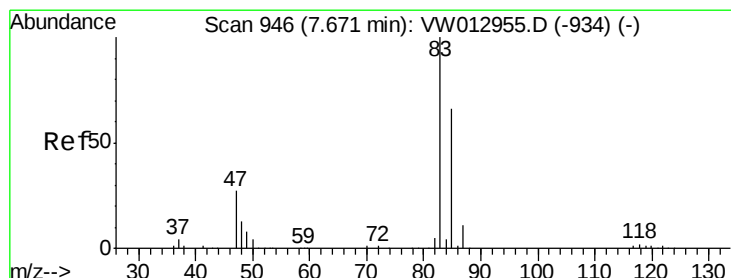
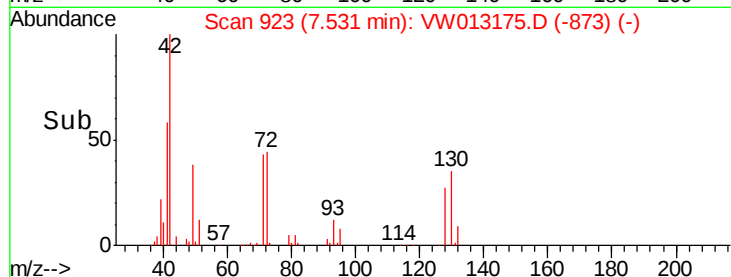
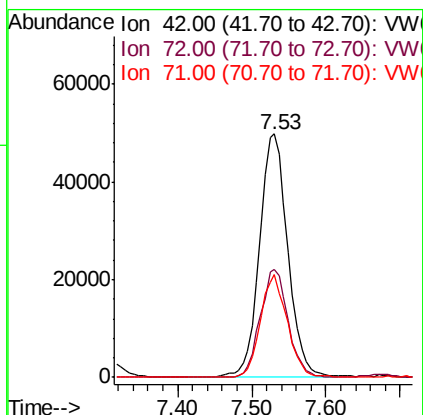
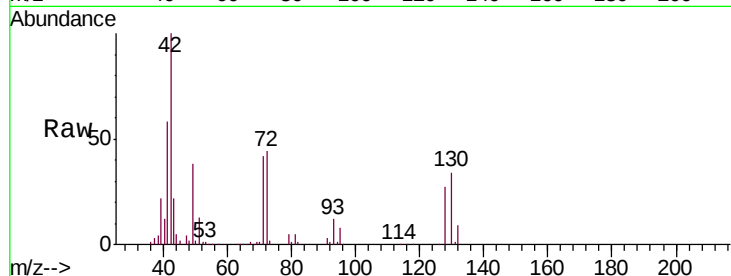




#29
Tetrahydrofuran
Concen: 272.731 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

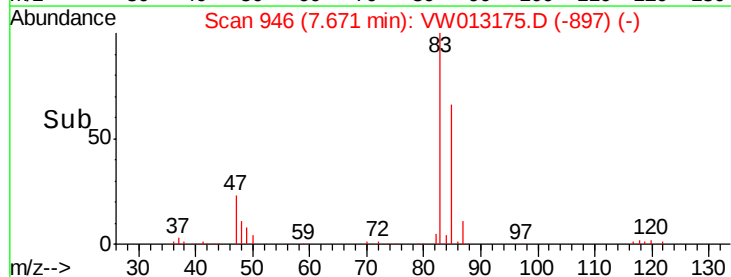
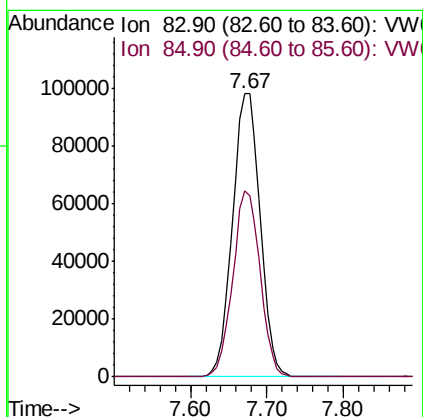
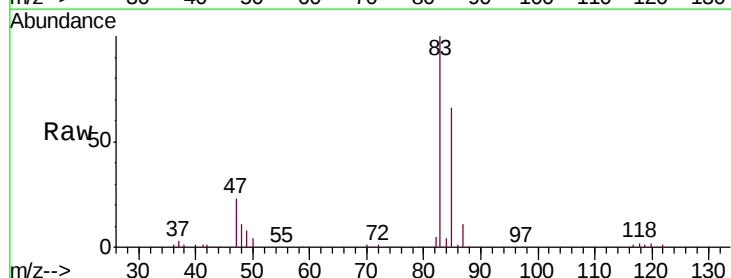
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

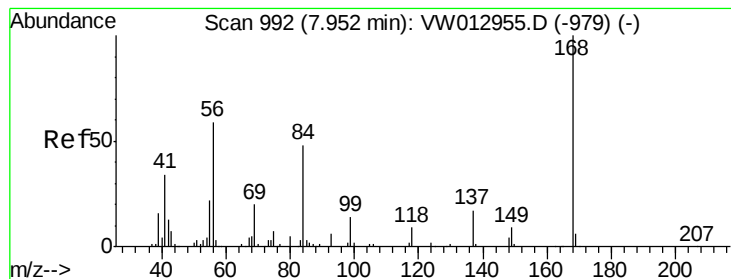
Tgt Ion: 42 Resp: 132665
Ion Ratio Lower Upper
42 100
72 43.7 31.4 47.0
71 40.0 29.8 44.8



#30
Chloroform
Concen: 52.943 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion: 83 Resp: 245454
Ion Ratio Lower Upper
83 100
85 65.6 52.8 79.2





#31

Cyclohexane

Concen: 48.122 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

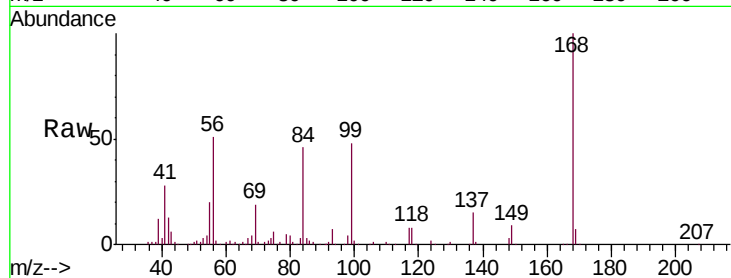
Tgt Ion: 56 Resp: 165372

Ion Ratio Lower Upper

56 100

69 37.3 27.0 40.6

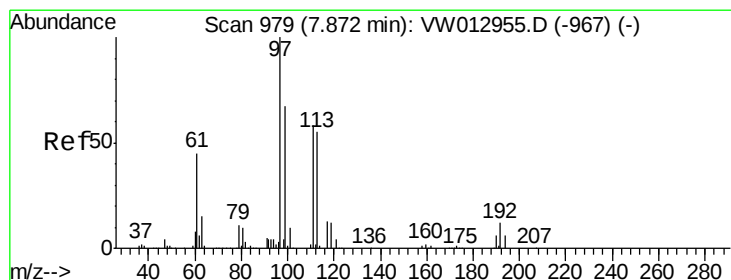
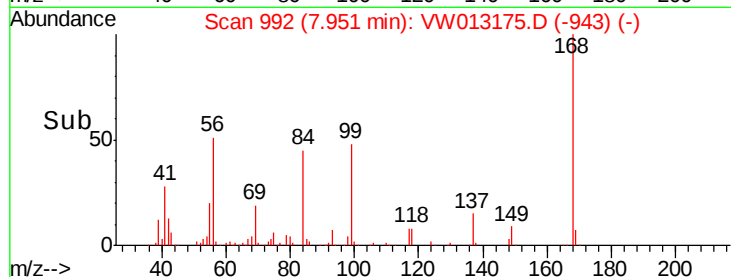
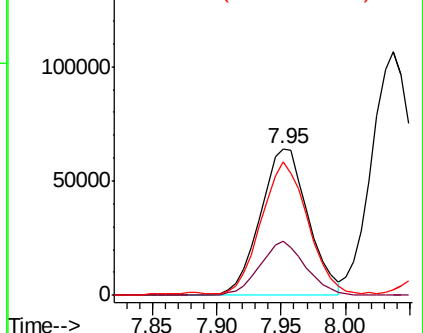
84 89.1 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 47.213 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

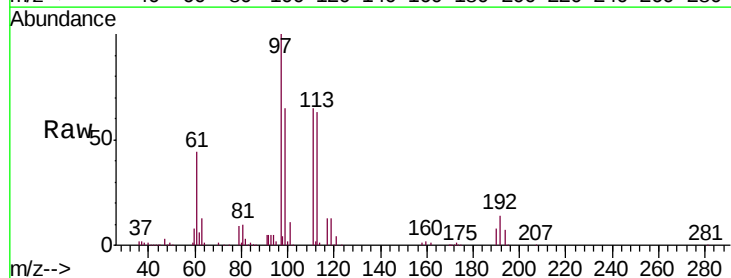
Tgt Ion: 97 Resp: 180257

Ion Ratio Lower Upper

97 100

99 65.0 53.0 79.4

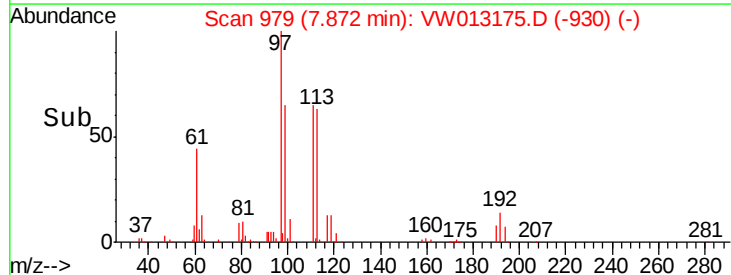
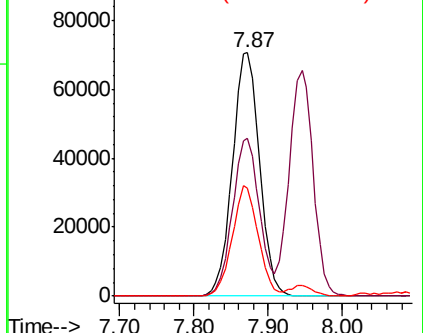
61 43.5 36.5 54.7

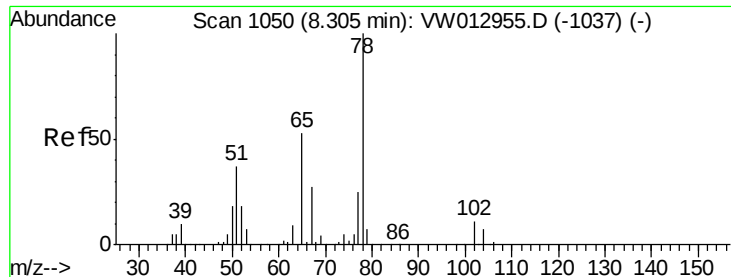


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.995 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

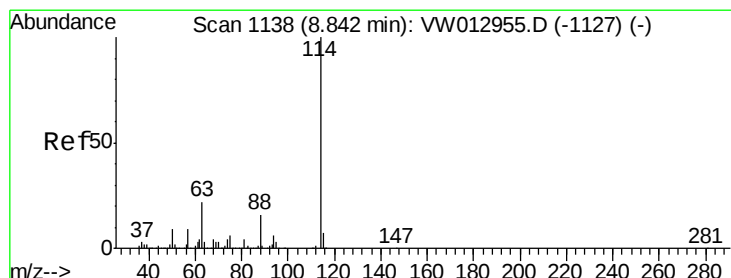
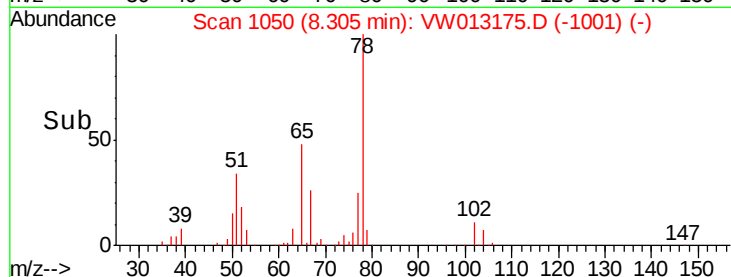
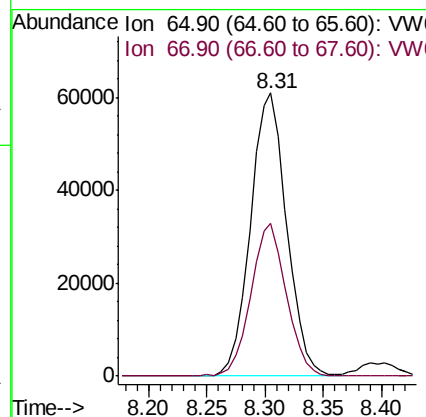
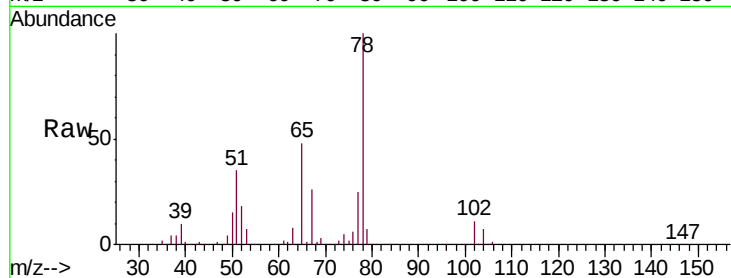
VSTDCCC050EC

Tgt Ion: 65 Resp: 131544

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

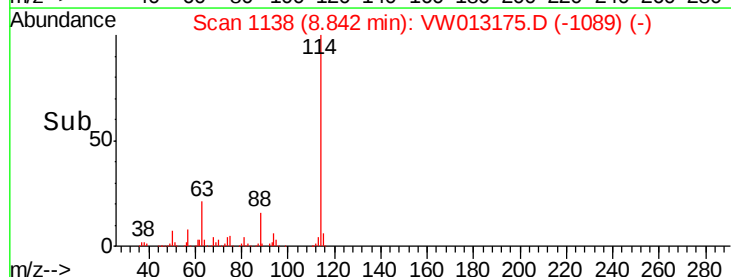
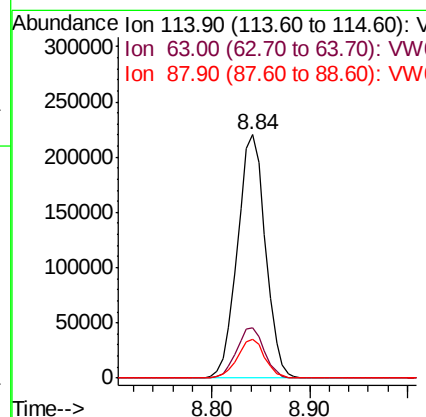
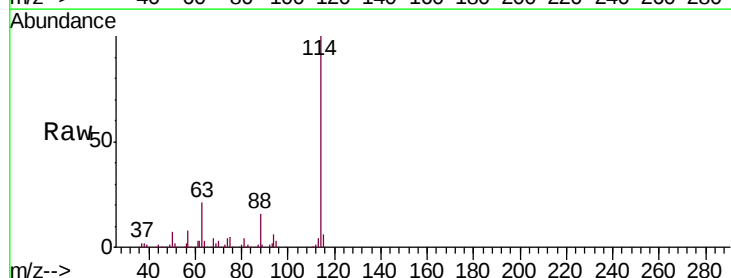
Tgt Ion: 114 Resp: 437443

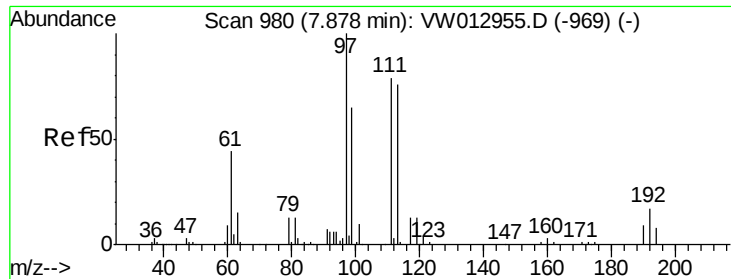
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

88 16.1 0.0 31.6

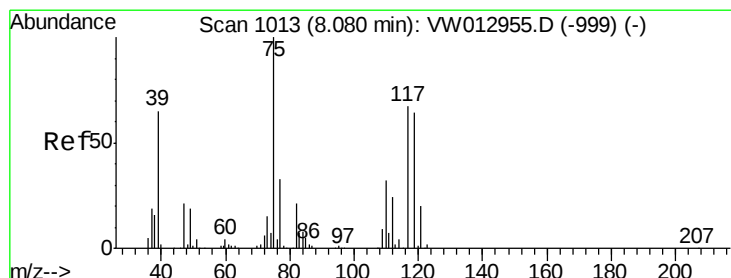
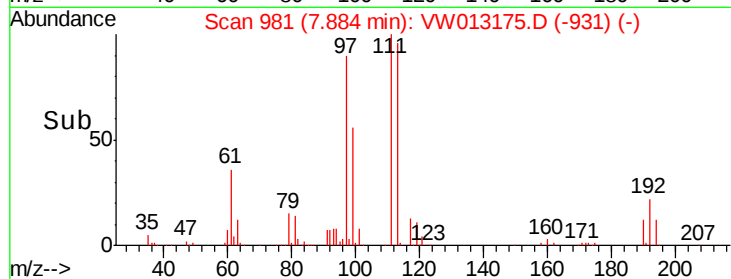
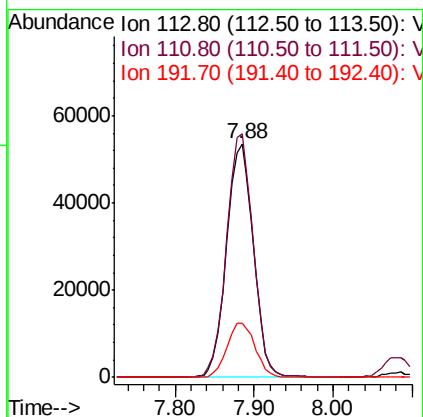
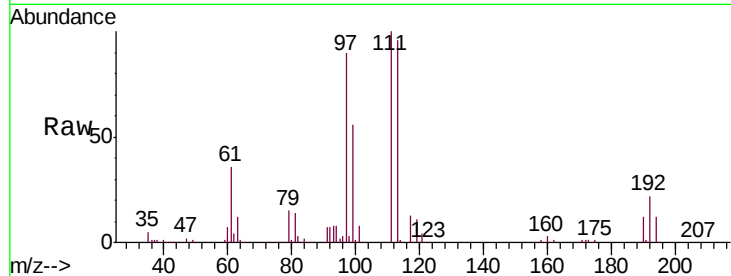




#35
 Dibromofluoromethane
 Concen: 53.669 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

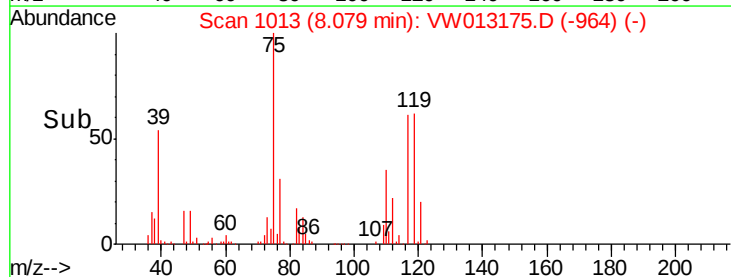
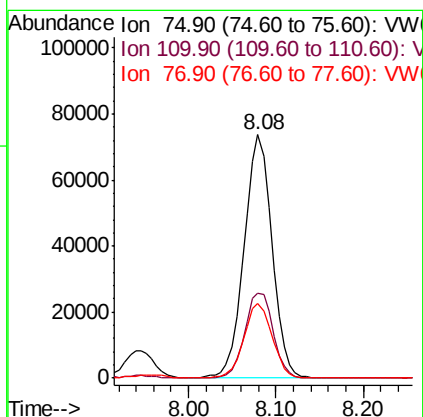
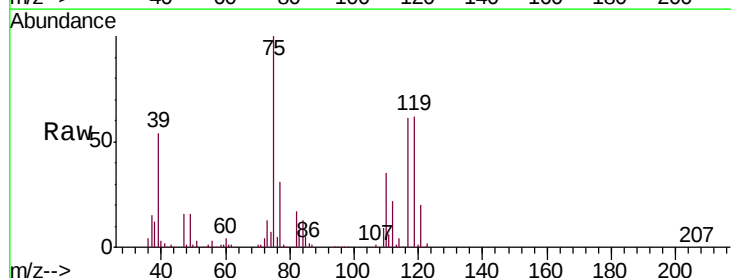
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

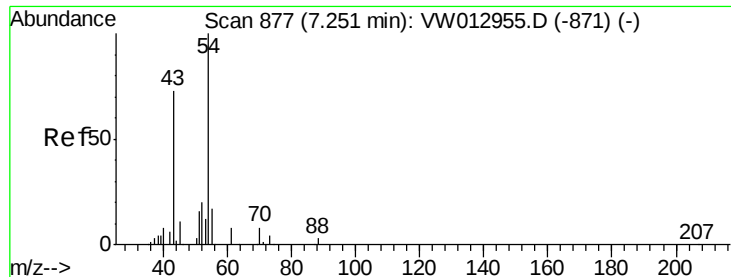
Tgt Ion: 113 Resp: 127389
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 24.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 46.502 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 75 Resp: 162550
 Ion Ratio Lower Upper
 75 100
 110 35.7 16.4 49.1
 77 31.3 25.1 37.7

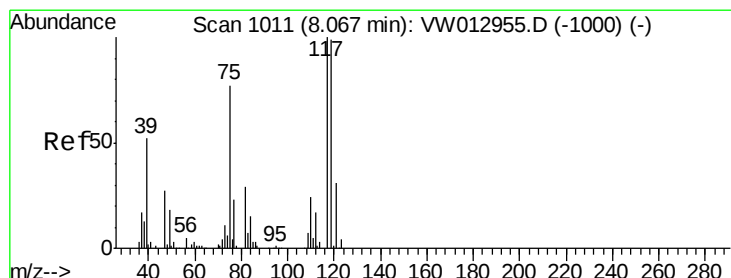
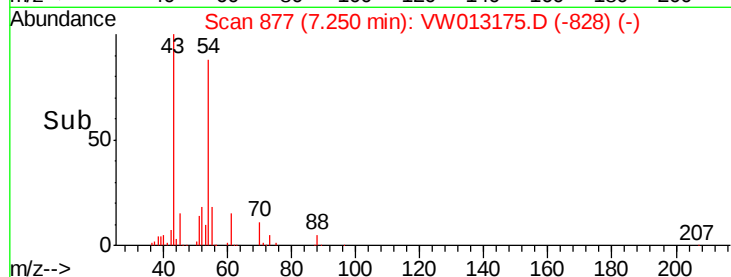
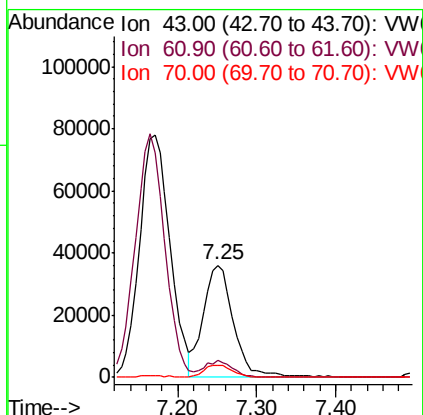
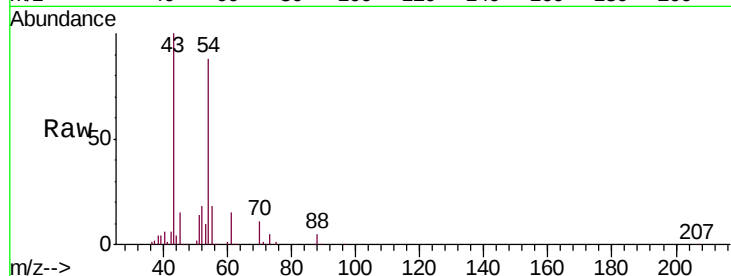




#37
 Ethyl Acetate
 Concen: 51.529 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

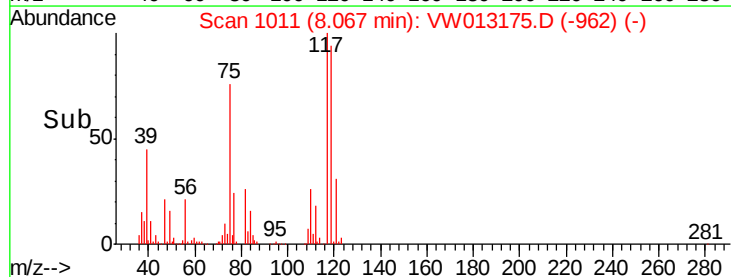
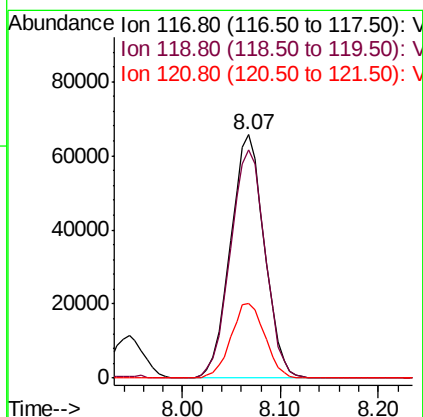
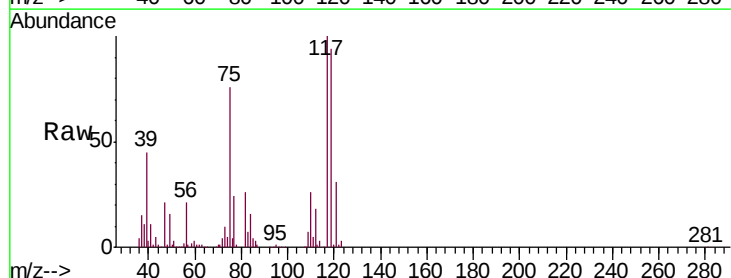
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

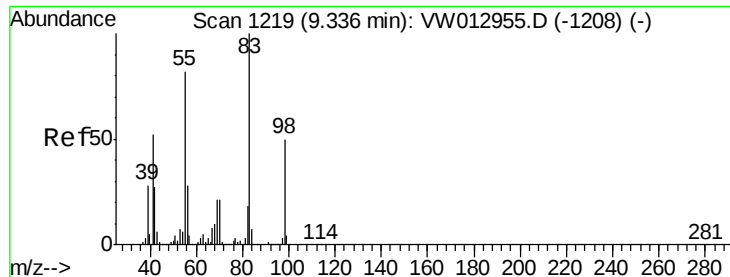
Tgt Ion: 43 Resp: 95606
 Ion Ratio Lower Upper
 43 100
 61 13.7 9.6 14.4
 70 10.4 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 44.162 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 117 Resp: 158196
 Ion Ratio Lower Upper
 117 100
 119 93.7 79.4 119.0
 121 30.6 24.6 36.8

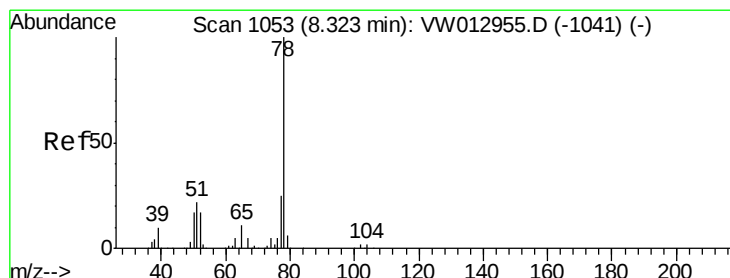
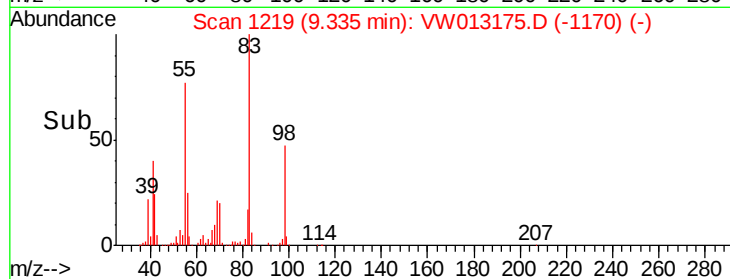
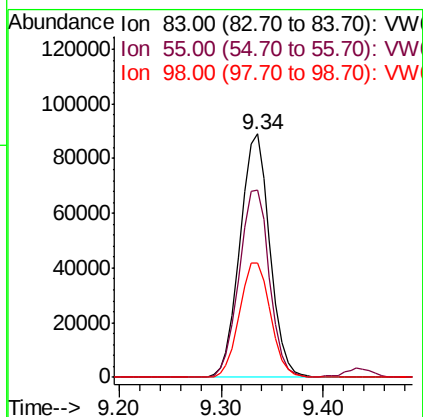
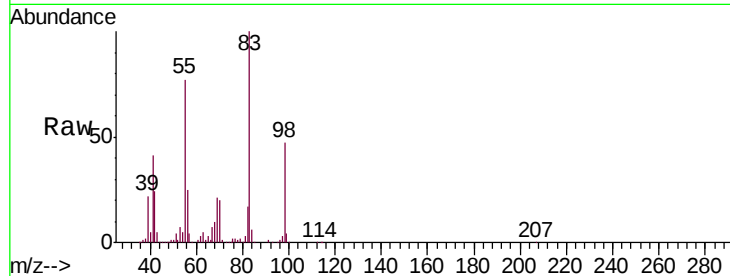




#39
Methylcyclohexane
Concen: 47.219 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

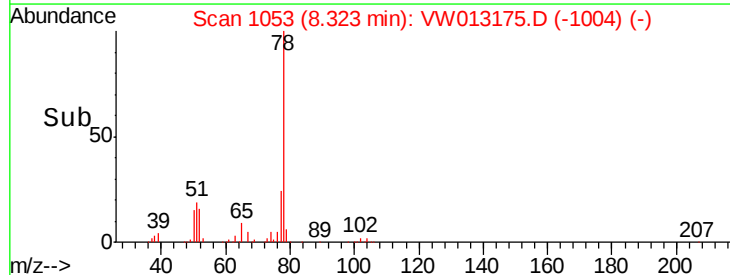
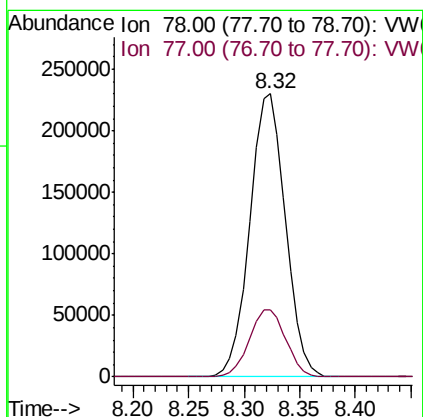
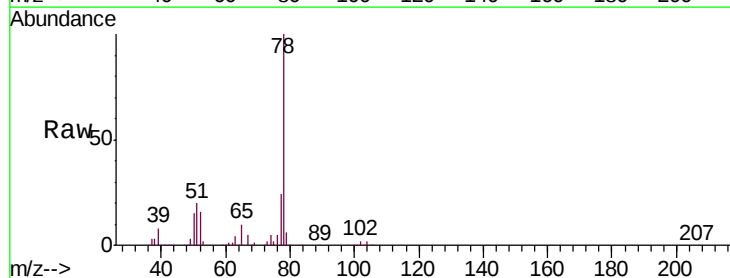
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

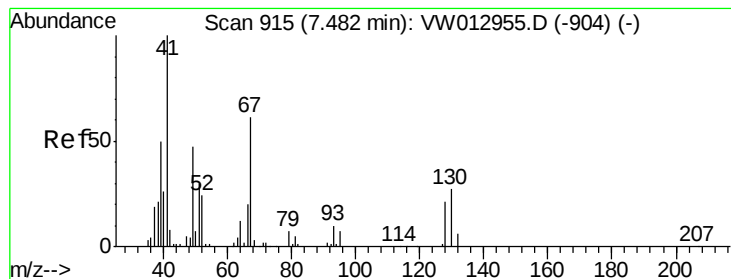
Tgt Ion: 83 Resp: 180867
Ion Ratio Lower Upper
83 100
55 76.7 65.9 98.9
98 47.2 39.6 59.4



#40
Benzene
Concen: 52.567 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion: 78 Resp: 512973
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4





#41

Methacrylonitrile

Concen: 53.364 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 65203

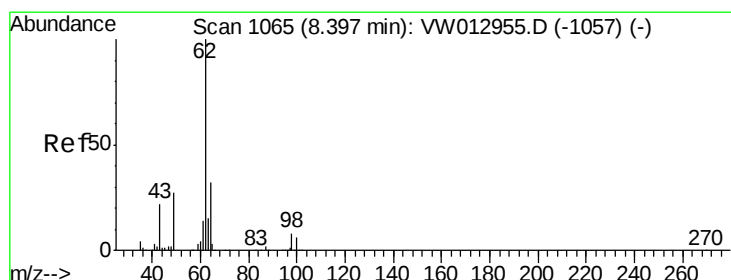
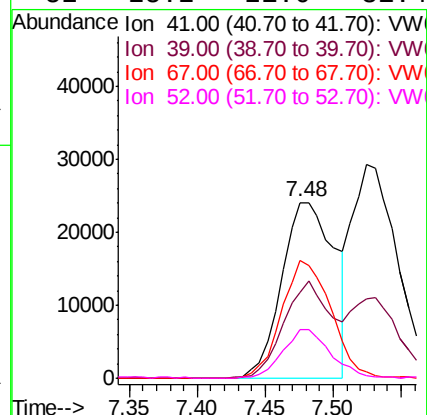
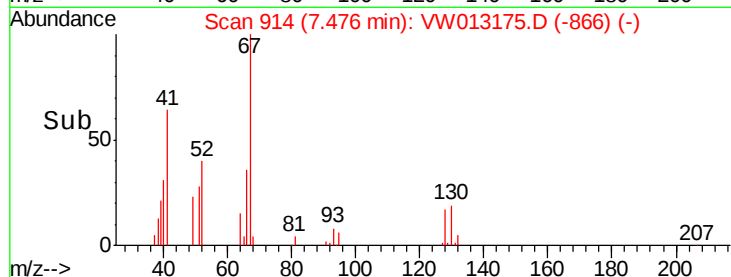
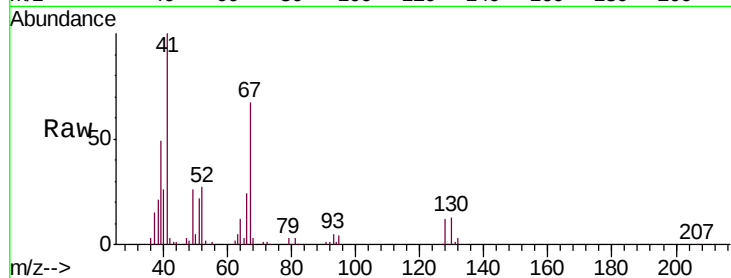
Ion Ratio Lower Upper

41 100

39 50.1 48.2 72.4

67 62.9 47.5 71.3

52 25.2 21.0 31.4



#42

1,2-Dichloroethane

Concen: 47.834 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013175.D

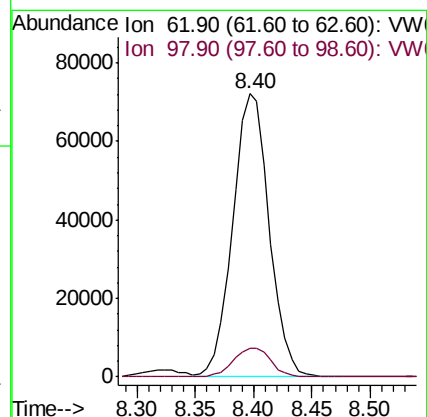
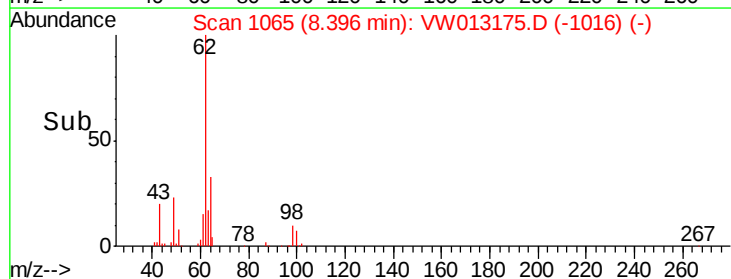
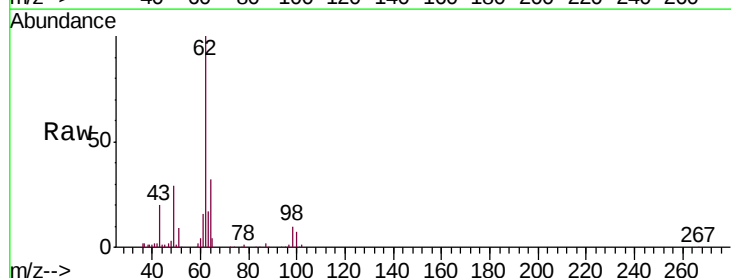
Acq: 19 Sep 2019 21:18

Tgt Ion: 62 Resp: 156475

Ion Ratio Lower Upper

62 100

98 10.4 0.0 16.8





#43

Isopropyl Acetate

Concen: 50.889 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

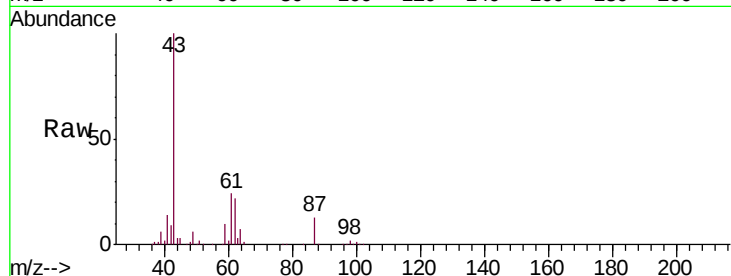
Tgt Ion: 43 Resp: 181287

Ion Ratio Lower Upper

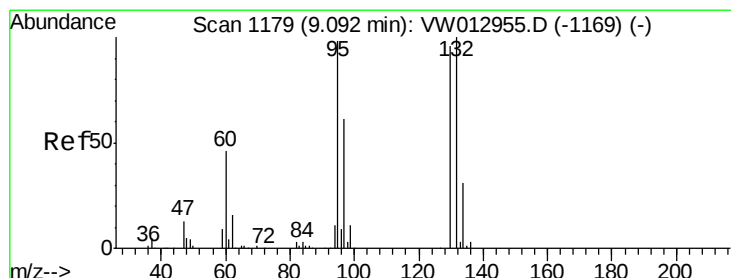
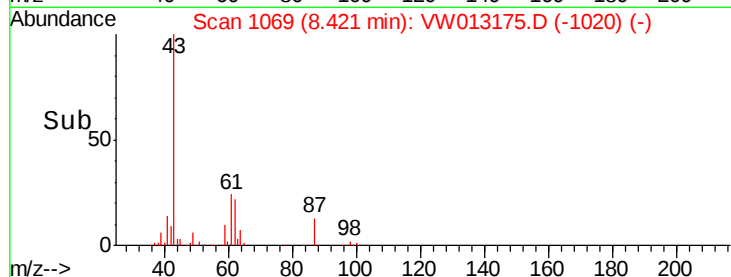
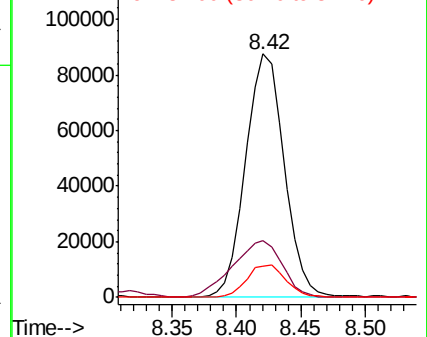
43 100

61 30.4 22.7 34.1

87 13.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW
120000
Ion 61.00 (60.70 to 61.70): VW
100000
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.159 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013175.D

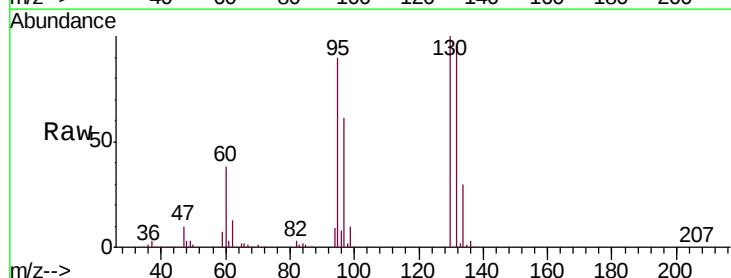
Acq: 19 Sep 2019 21:18

Tgt Ion: 130 Resp: 139416

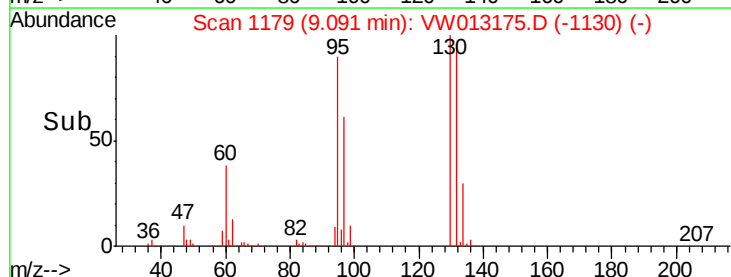
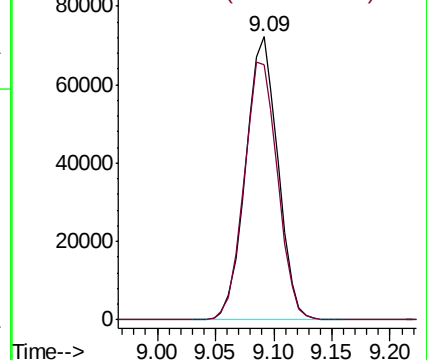
Ion Ratio Lower Upper

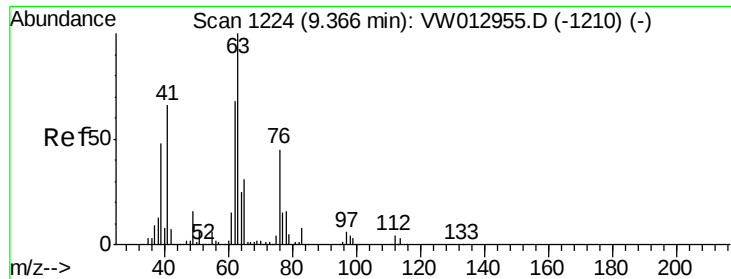
130 100

95 90.4 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V
80000
Ion 94.90 (94.60 to 95.60): VW

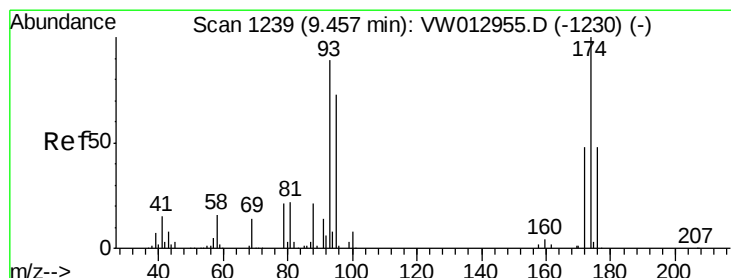
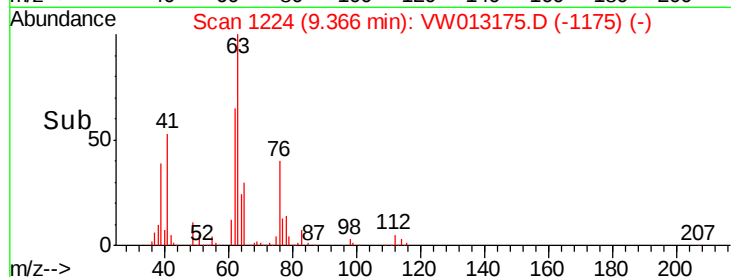
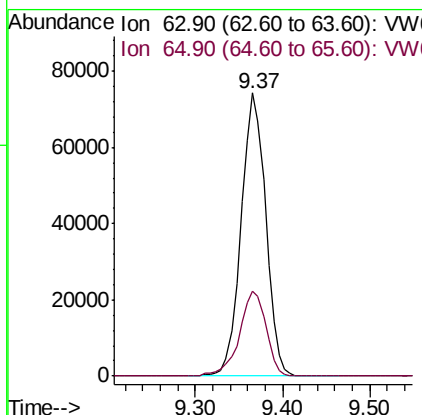
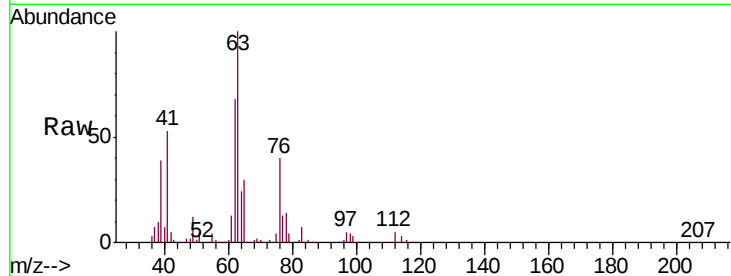




#45
 1,2-Dichloropropane
 Concen: 56.024 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

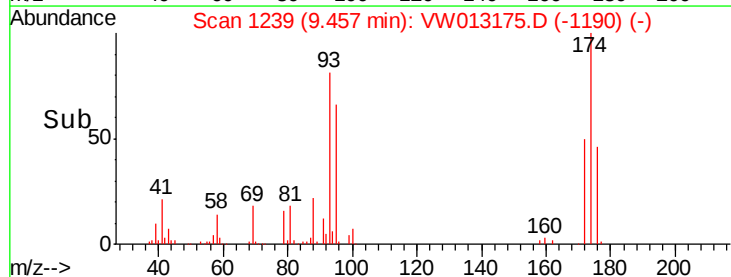
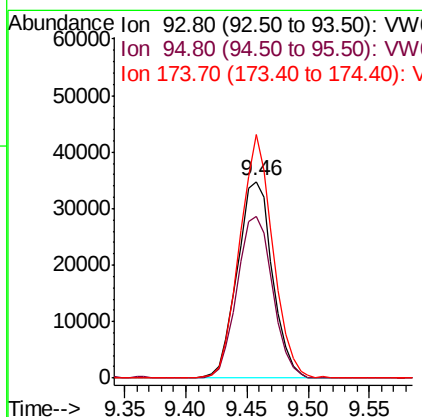
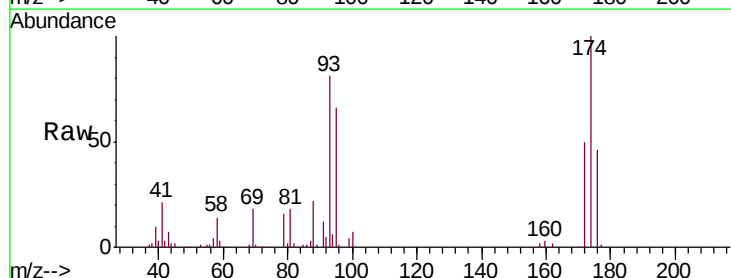
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

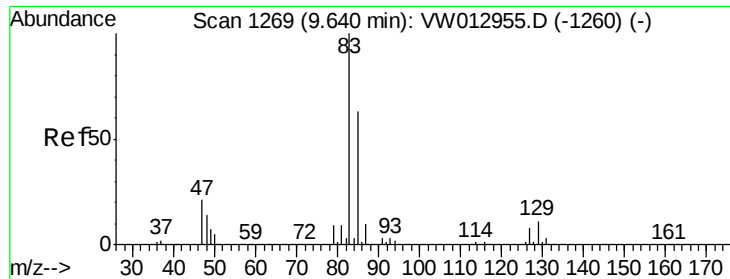
Tgt Ion: 63 Resp: 145251
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#46
 Dibromomethane
 Concen: 55.754 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 93 Resp: 69254
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 116.5 90.5 135.7





#47

Bromodichloromethane

Concen: 52.340 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

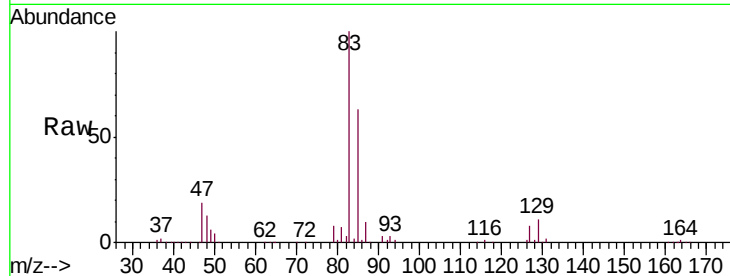
Tgt Ion: 83 Resp: 182362

Ion Ratio Lower Upper

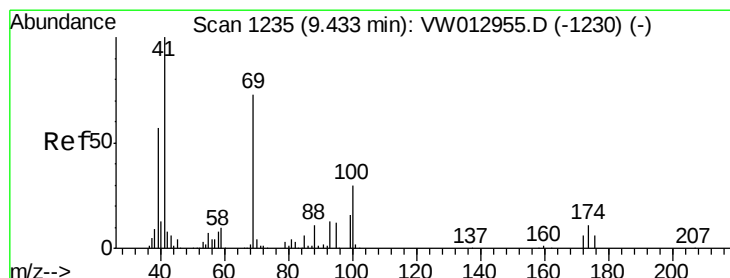
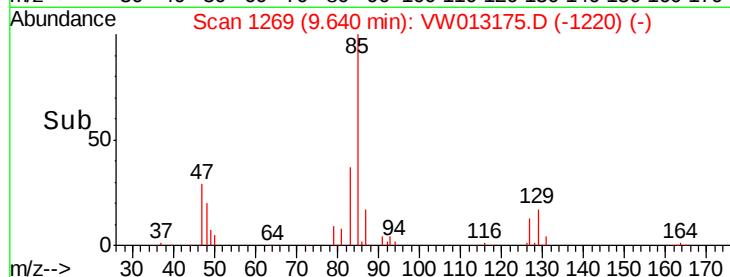
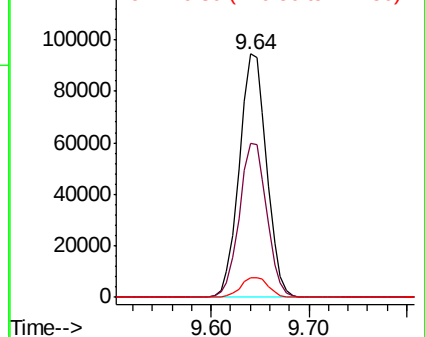
83 100

85 63.3 50.6 75.8

127 8.3 6.7 10.1



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



#48

Methyl methacrylate

Concen: 50.176 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

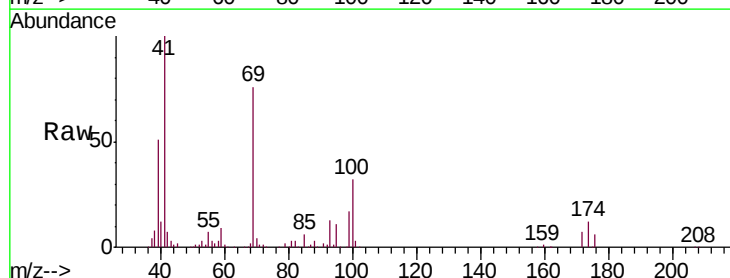
Tgt Ion: 41 Resp: 83890

Ion Ratio Lower Upper

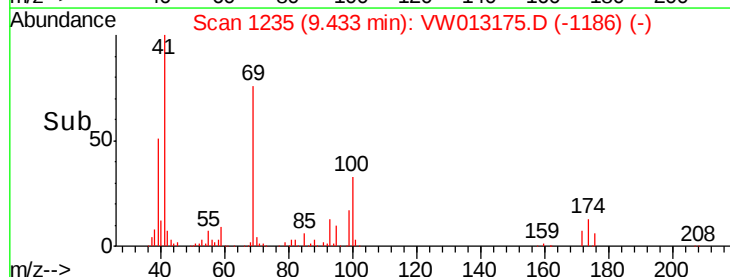
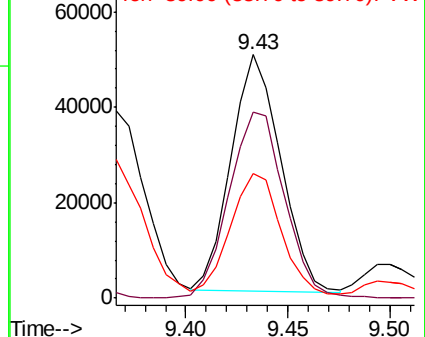
41 100

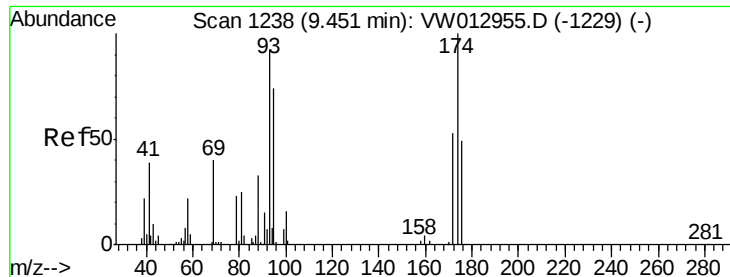
69 88.5 62.8 94.2

39 55.7 48.5 72.7



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: 1074.681 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

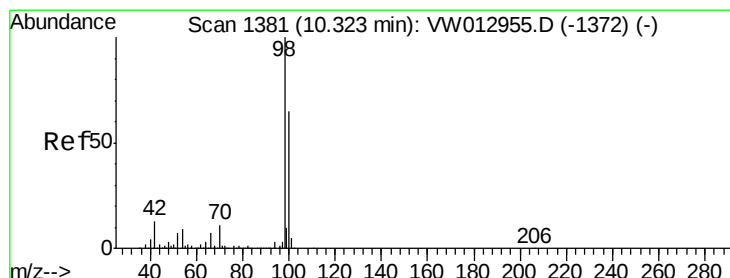
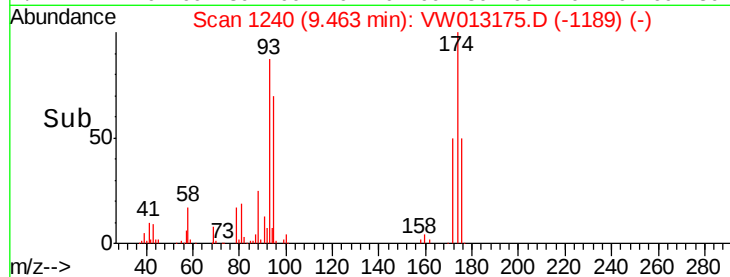
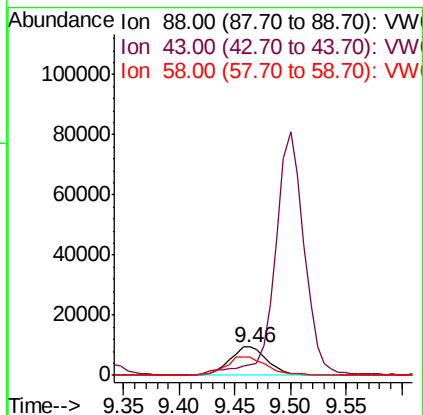
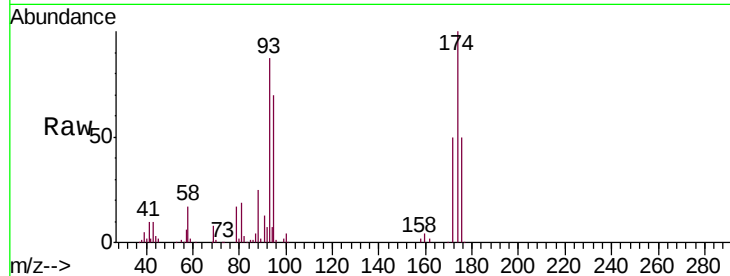
Tgt Ion: 88 Resp: 22368

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 72.6 60.2 90.2



#50

Toluene-d8

Concen: 54.696 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013175.D

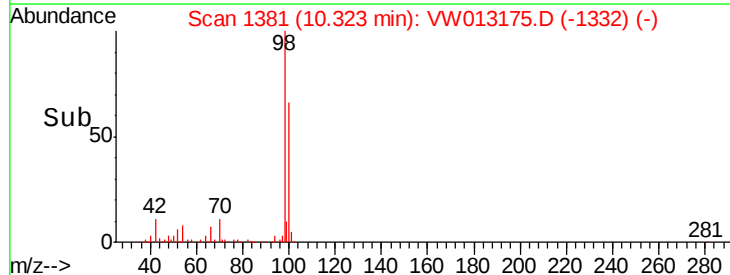
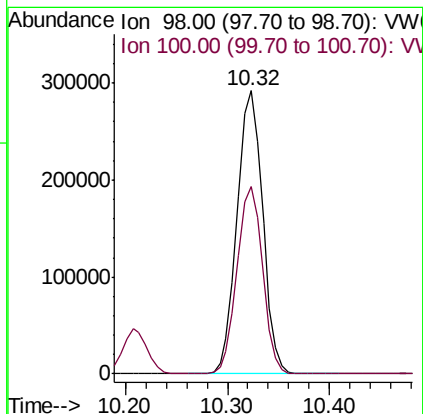
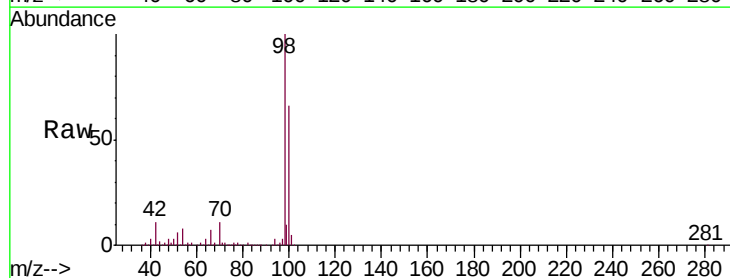
Acq: 19 Sep 2019 21:18

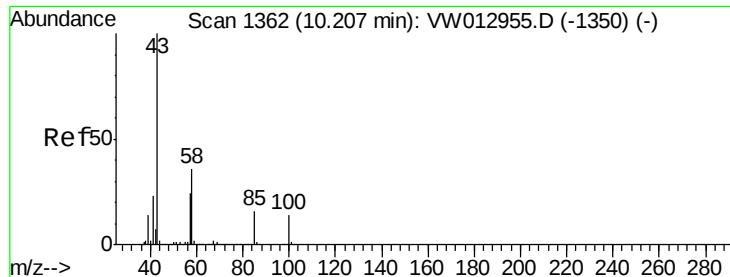
Tgt Ion: 98 Resp: 508033

Ion Ratio Lower Upper

98 100

100 66.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 261.590 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

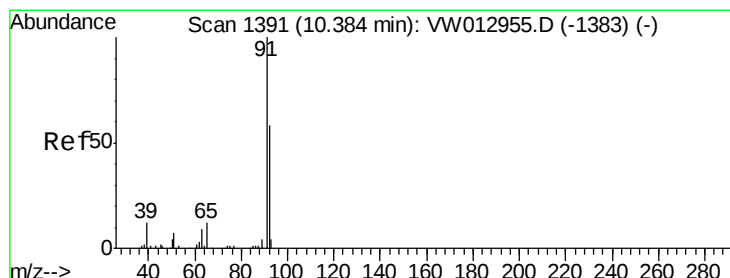
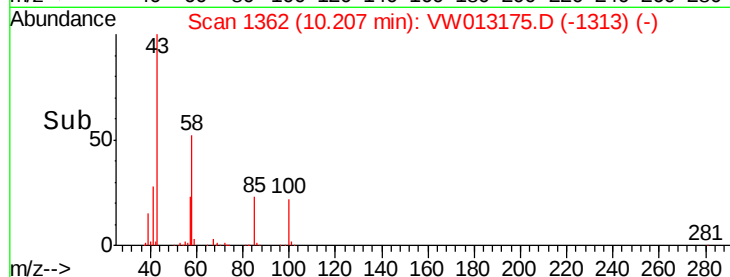
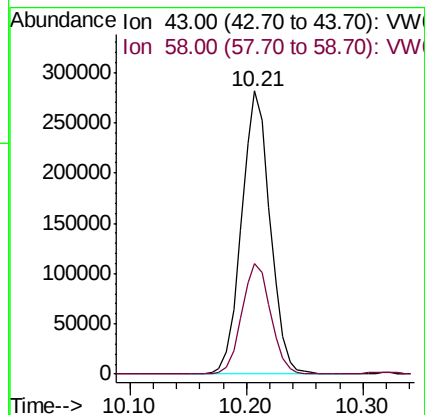
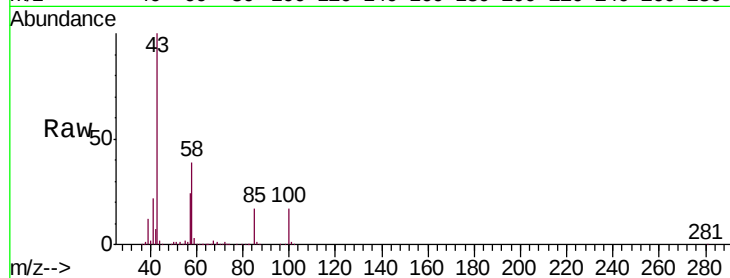
VSTDCCC050EC

Tgt Ion: 43 Resp: 481115

Ion Ratio Lower Upper

43 100

58 39.7 29.5 44.3



#52

Toluene

Concen: 54.866 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013175.D

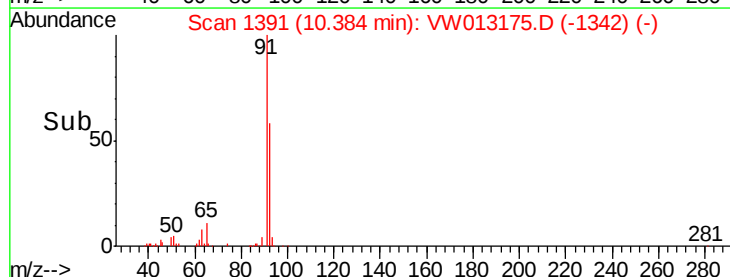
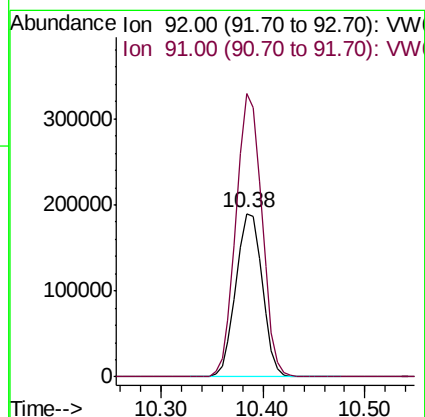
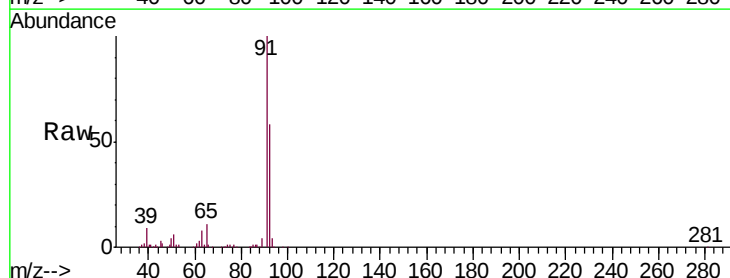
Acq: 19 Sep 2019 21:18

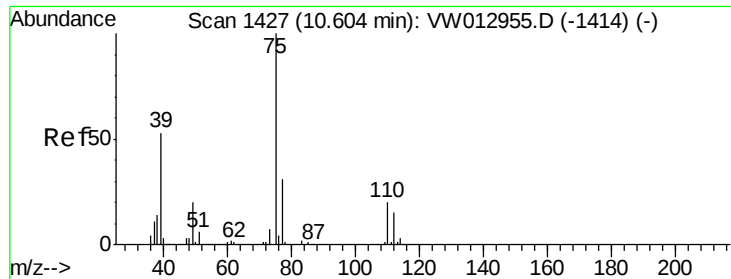
Tgt Ion: 92 Resp: 340215

Ion Ratio Lower Upper

92 100

91 169.7 137.5 206.3

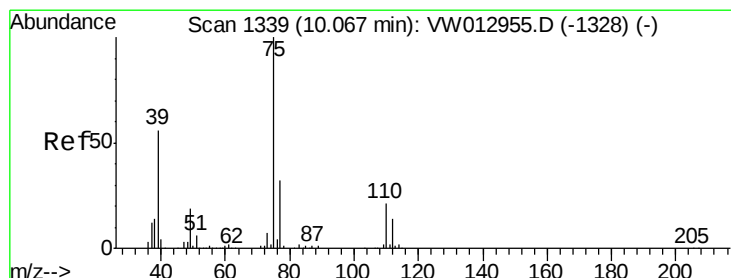
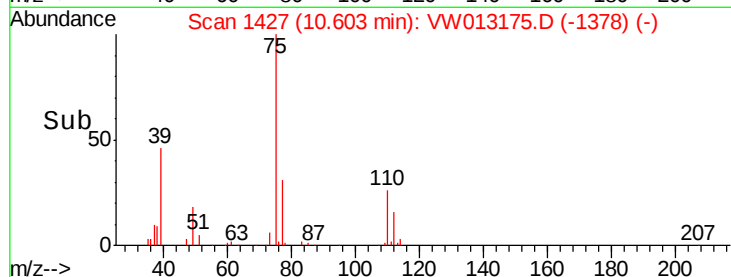
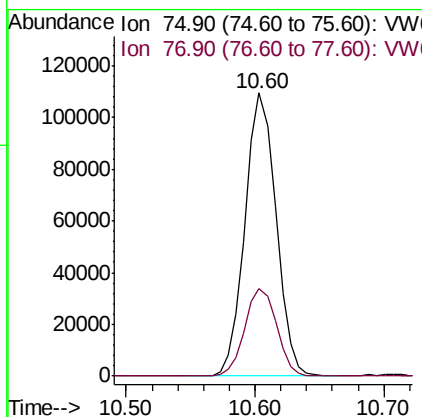
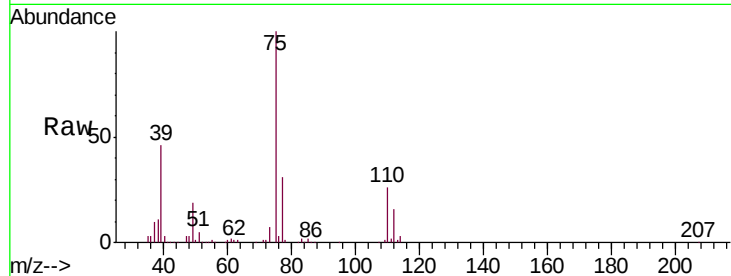




#53
t-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

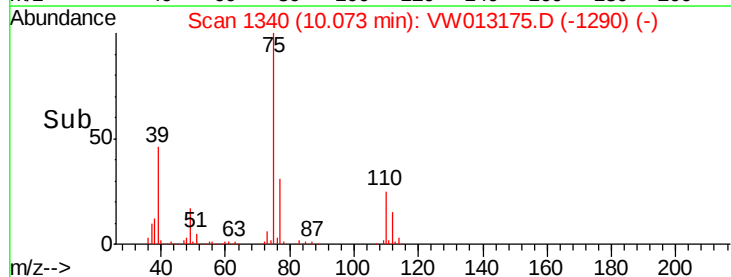
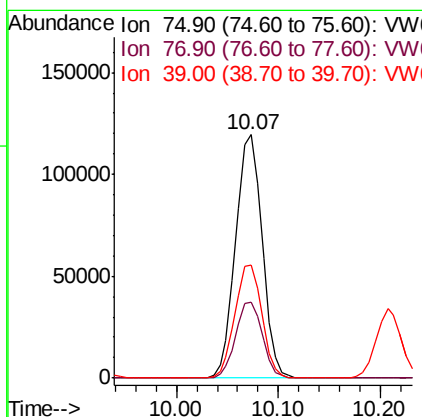
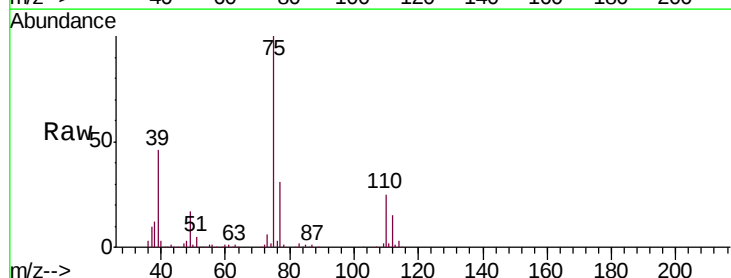
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

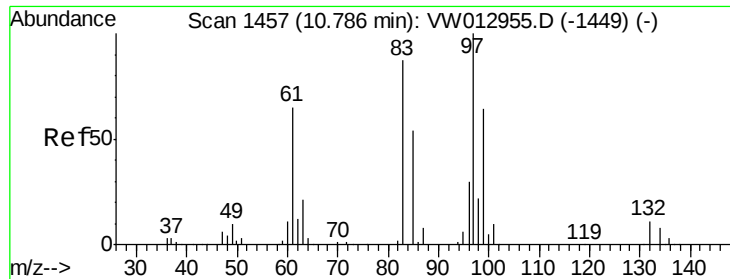
Tgt Ion: 75 Resp: 182593
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 53.753 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion: 75 Resp: 215516
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3
39 46.3 45.0 67.6

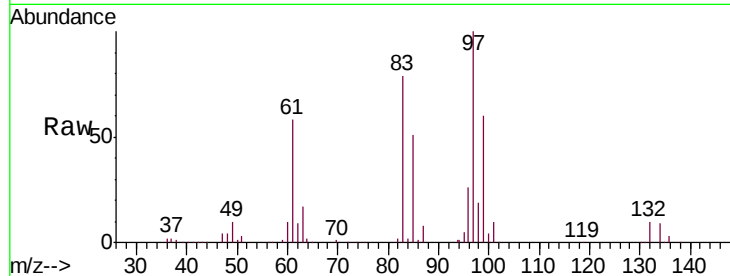




#55
 1,1,2-Trichloroethane
 Concen: 59.309 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	112228
Ion	Ratio	Lower	Upper
97	100		
83	79.0	69.4	104.0
85	51.3	43.3	64.9
99	60.2	50.9	76.3



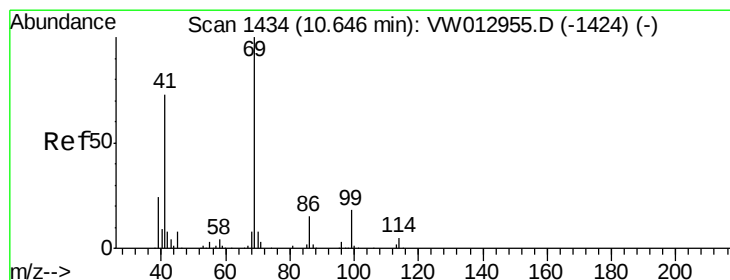
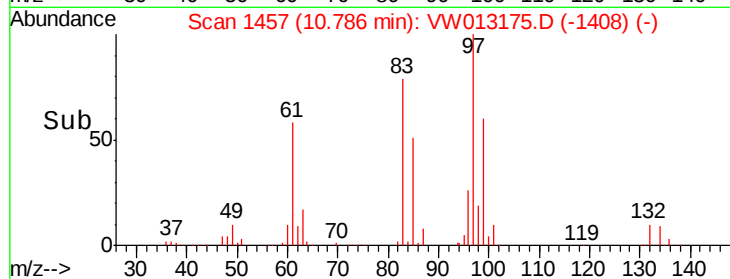
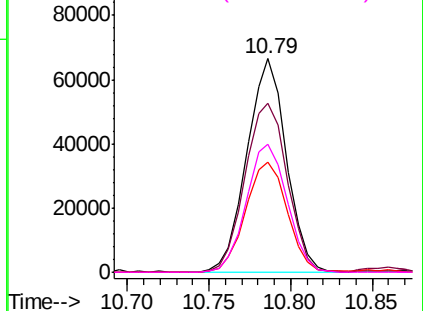
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

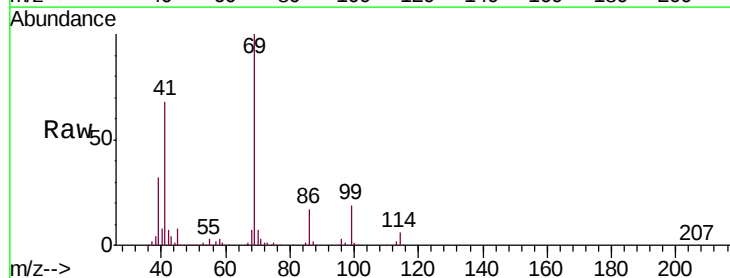
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 58.769 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion:	69	Resp:	149686
Ion	Ratio	Lower	Upper
69	100		
41	68.6	60.8	91.2
39	29.7	29.4	44.0

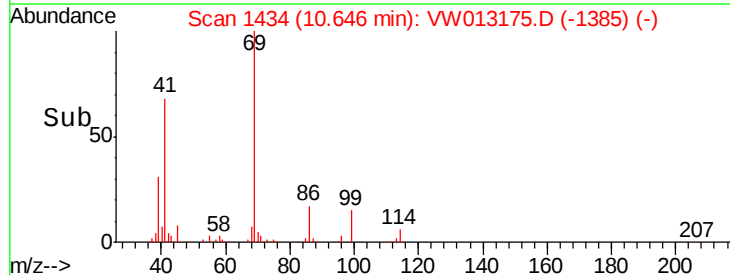
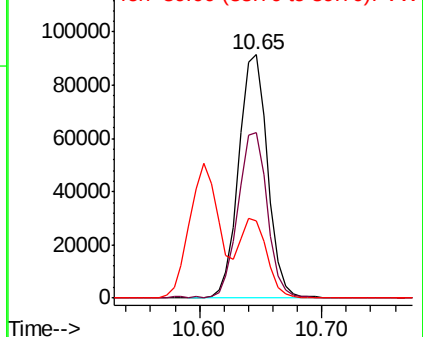


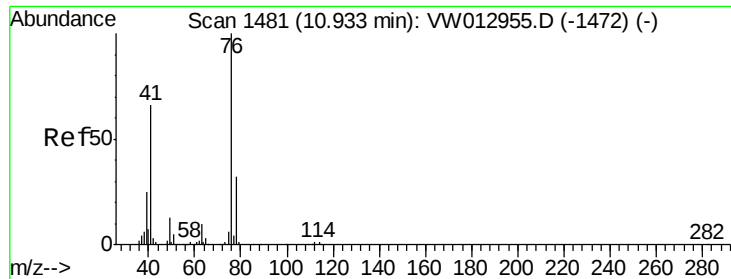
Abundance

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

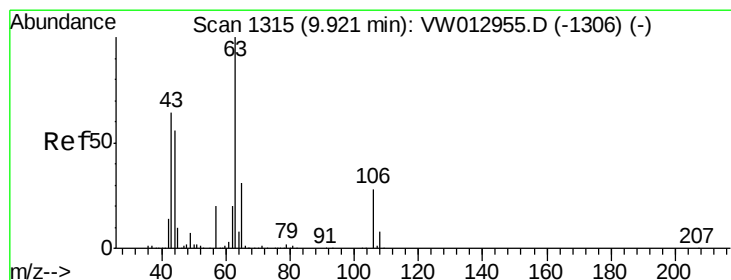
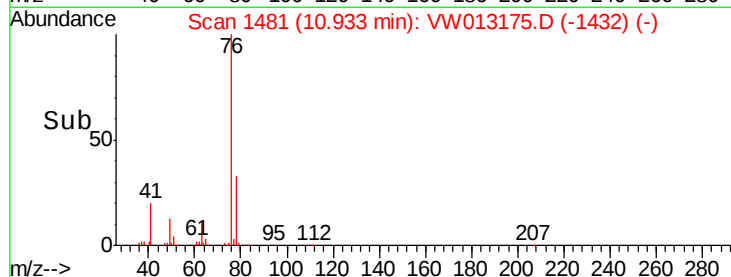
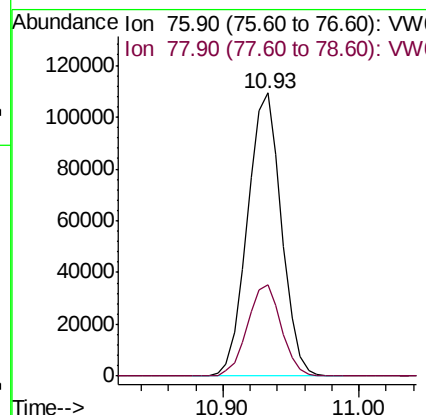
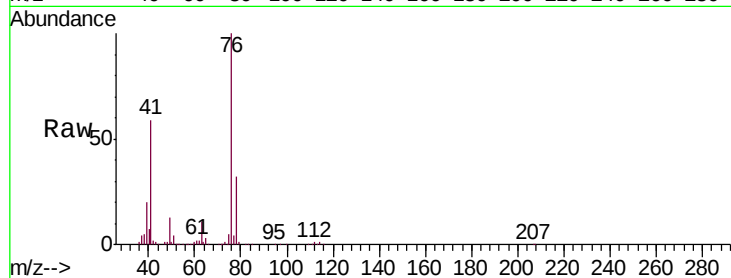




#57
 1,3-Dichloropropane
 Concen: 56.851 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

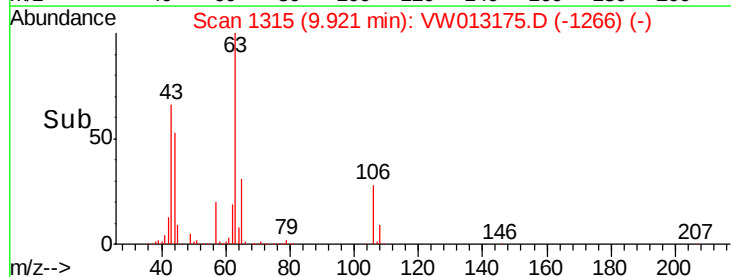
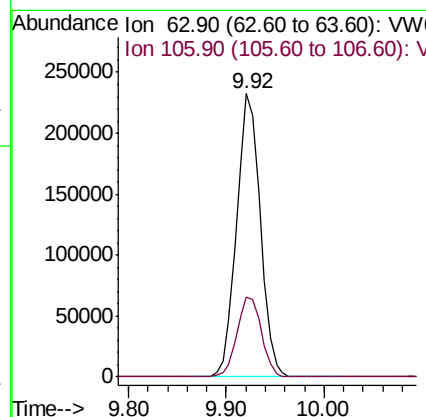
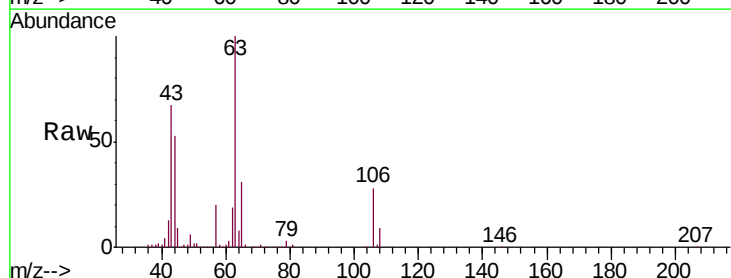
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

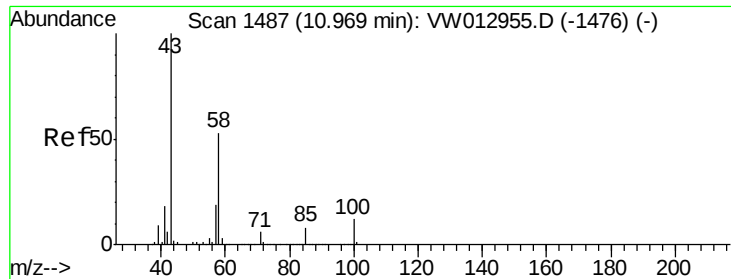
Tgt Ion: 76 Resp: 190834
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.088 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 63 Resp: 392251
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.2 33.2





#59

2-Hexanone

Concen: 251.796 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

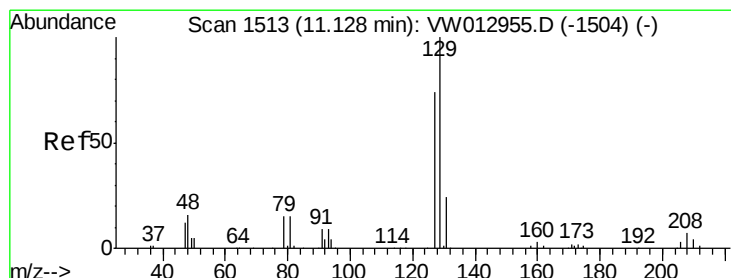
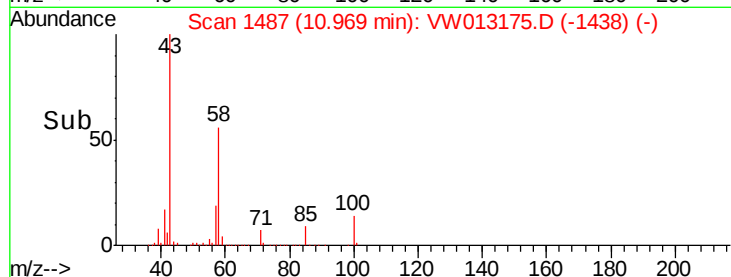
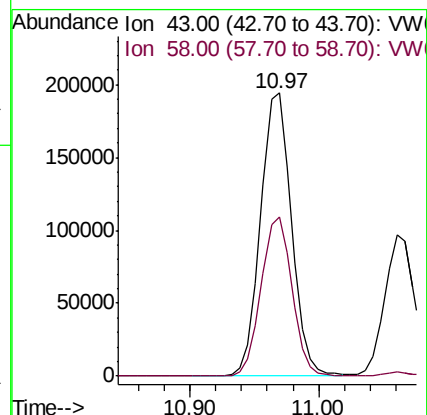
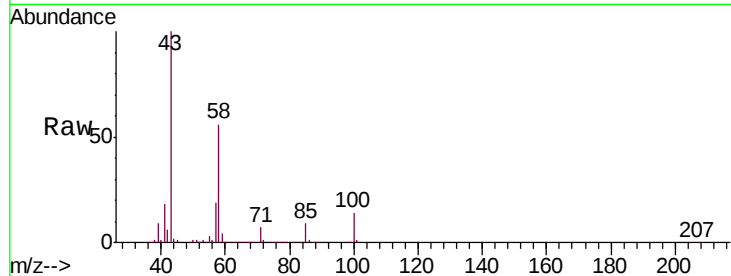
VSTDCCC050EC

Tgt Ion: 43 Resp: 322463

Ion Ratio Lower Upper

43 100

58 56.3 25.8 77.3



#60

Dibromochloromethane

Concen: 55.485 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013175.D

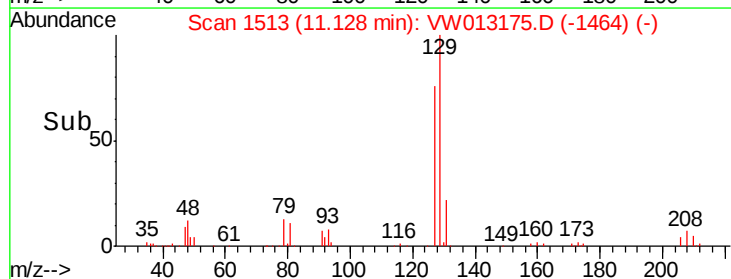
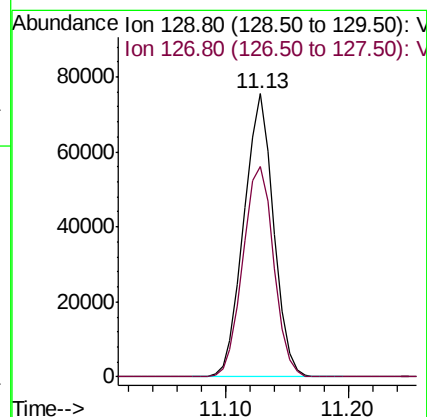
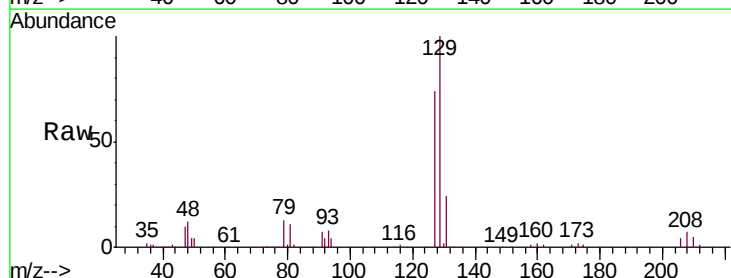
Acq: 19 Sep 2019 21:18

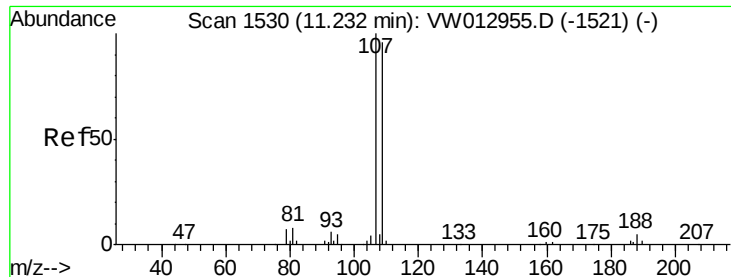
Tgt Ion: 129 Resp: 126935

Ion Ratio Lower Upper

129 100

127 77.5 37.4 112.2

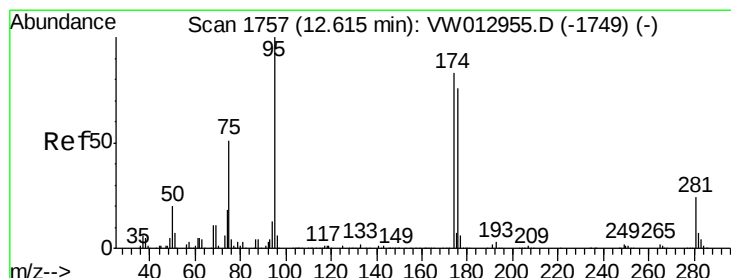
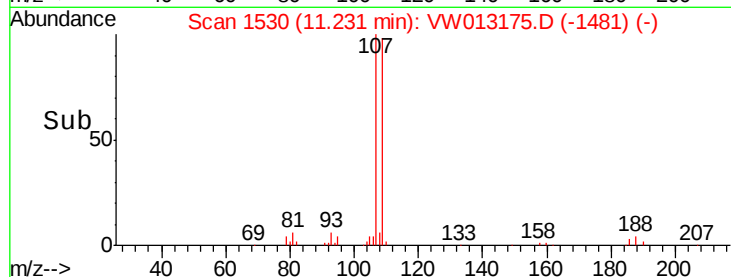
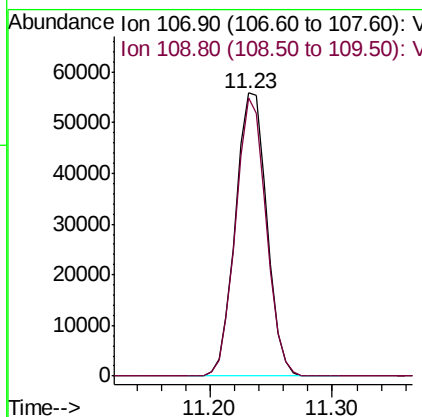
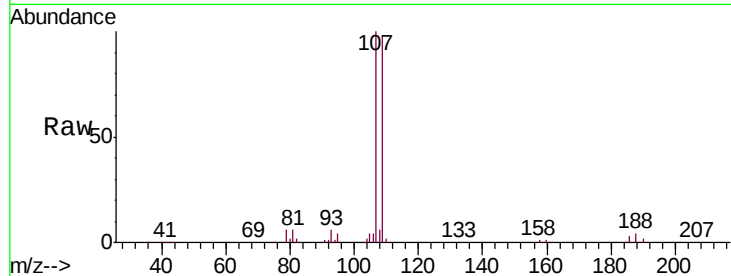




#61
 1,2-Dibromoethane
 Concen: 57.509 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

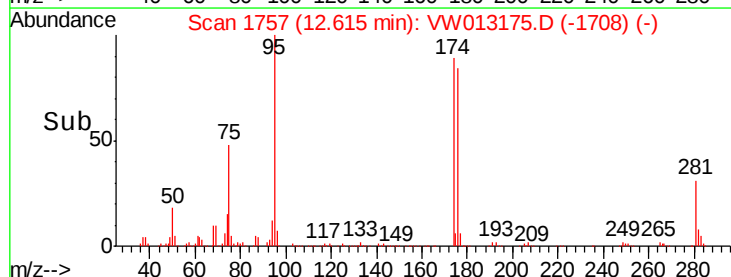
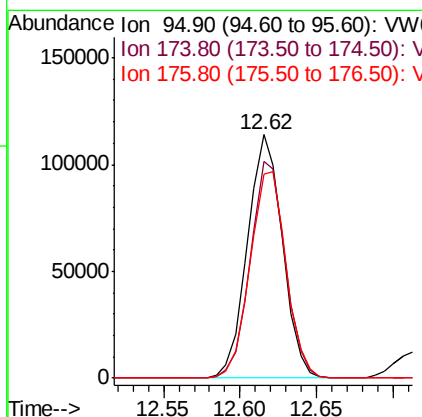
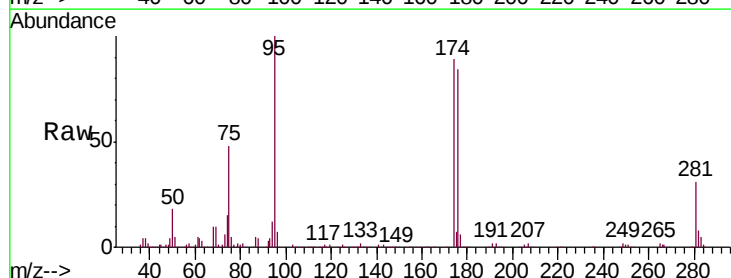
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

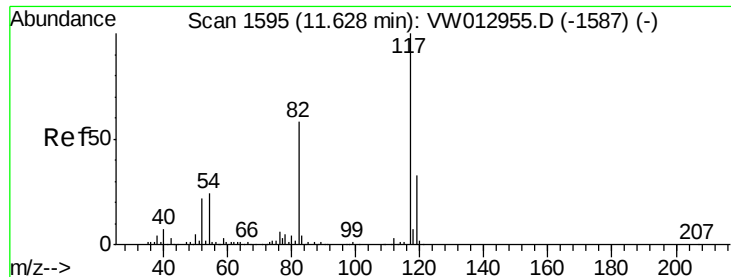
Tgt Ion: 107 Resp: 99271
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.323 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion: 95 Resp: 181431
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 170.4
 176 87.6 0.0 164.6

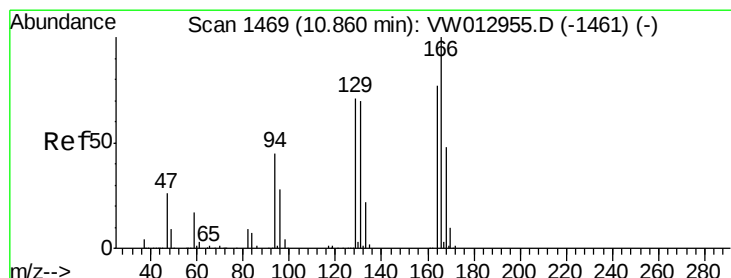
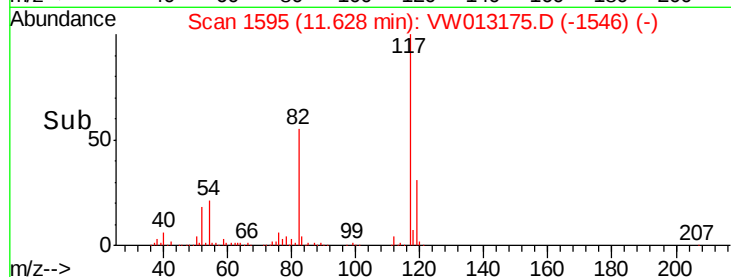
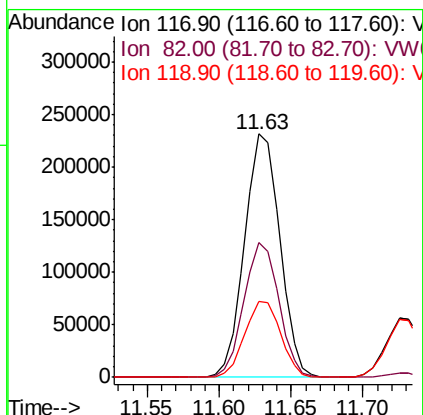
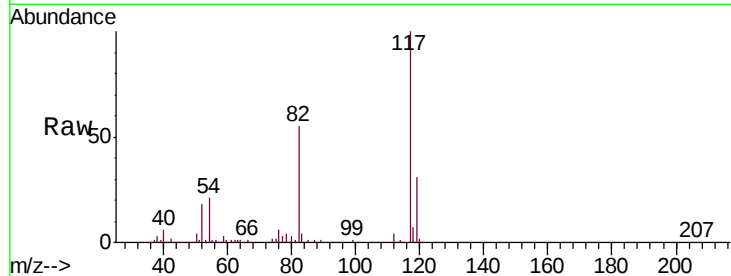




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

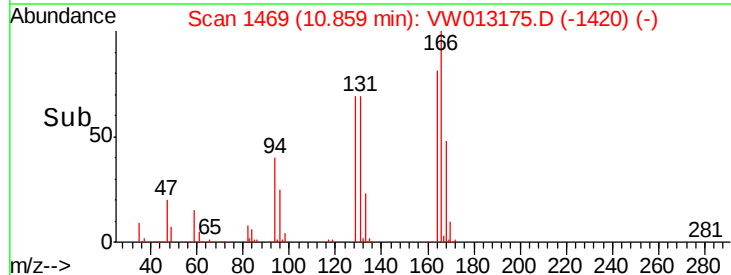
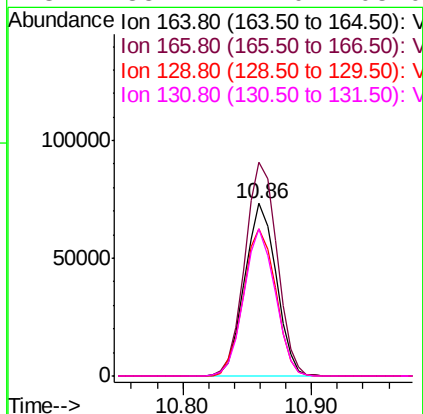
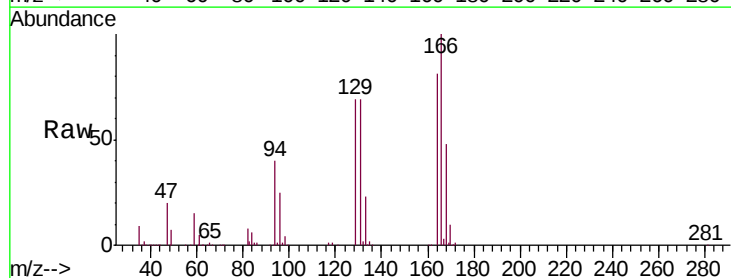
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

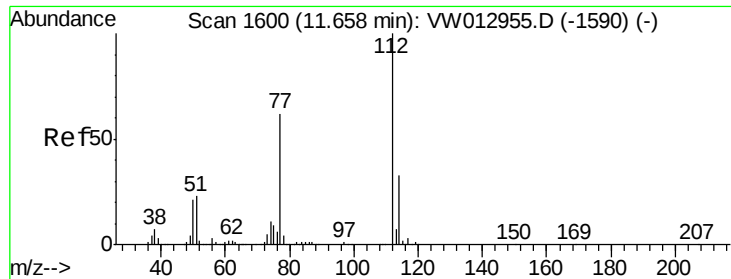
Tgt Ion:117 Resp: 393282
Ion Ratio Lower Upper
117 100
82 55.5 46.3 69.5
119 30.9 26.2 39.4



#64
Tetrachloroethene
Concen: 53.054 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion:164 Resp: 124127
Ion Ratio Lower Upper
164 100
166 123.8 103.3 154.9
129 85.0 73.8 110.8
131 85.2 72.0 108.0

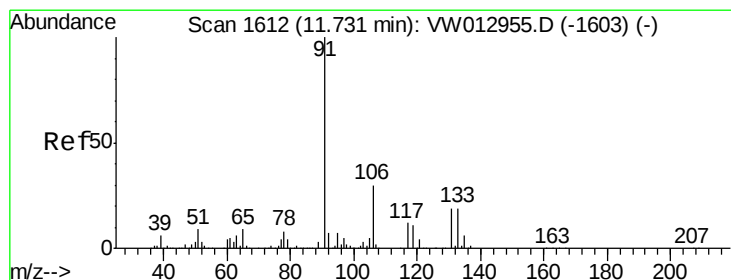
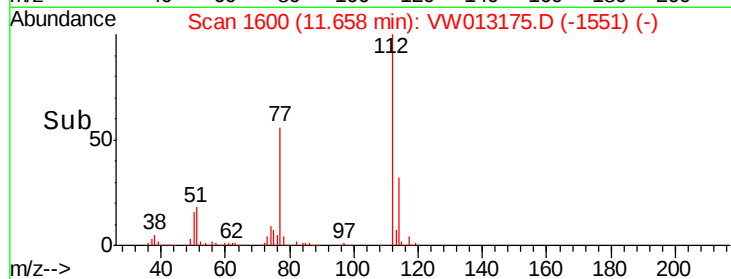
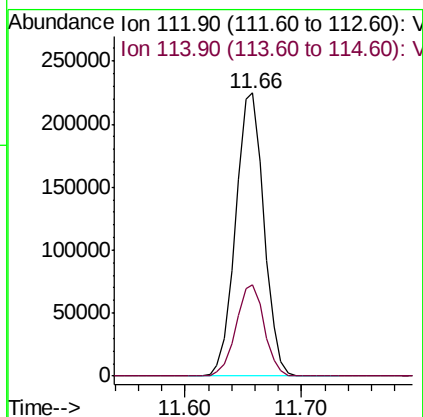
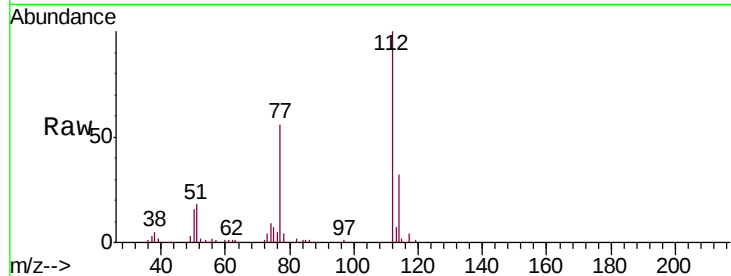




#65
Chlorobenzene
Concen: 54.441 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

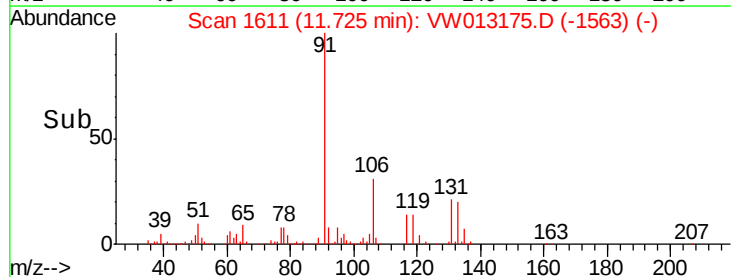
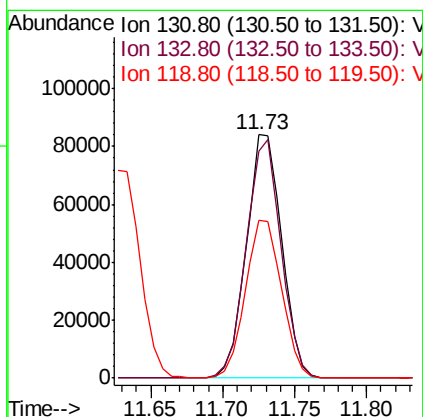
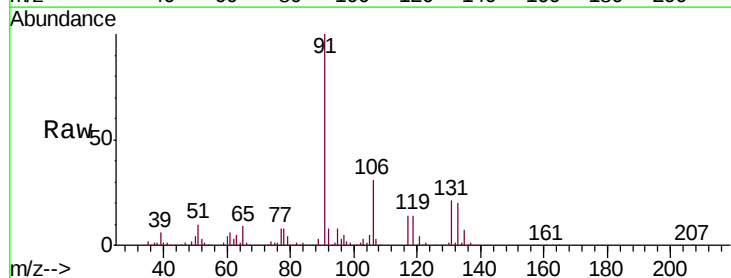
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

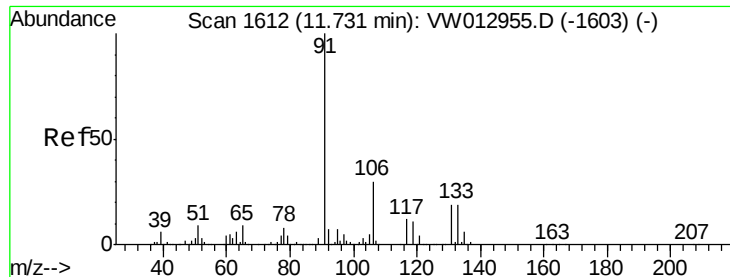
Tgt Ion:112 Resp: 381375
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.183 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion:131 Resp: 142772
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.8
119 66.1 30.9 92.7

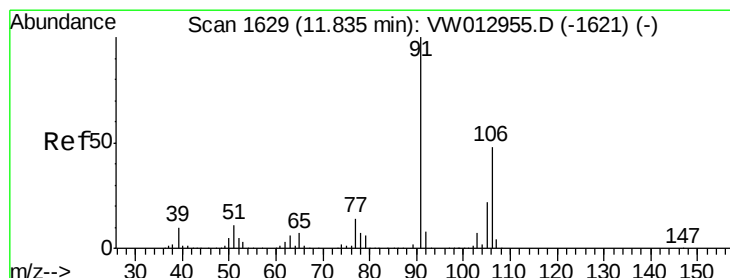
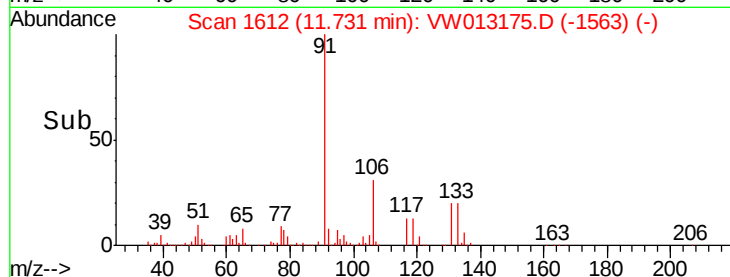
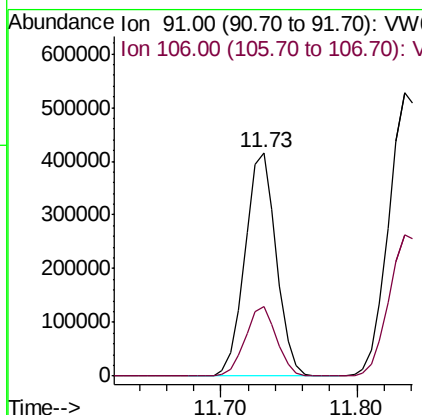
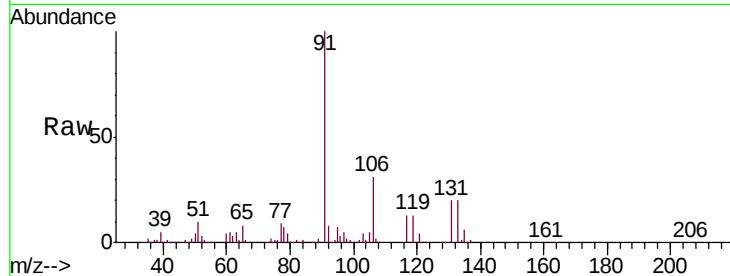




#67
Ethyl Benzene
Concen: 51.589 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

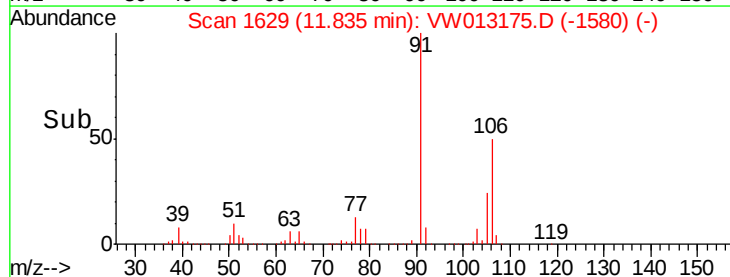
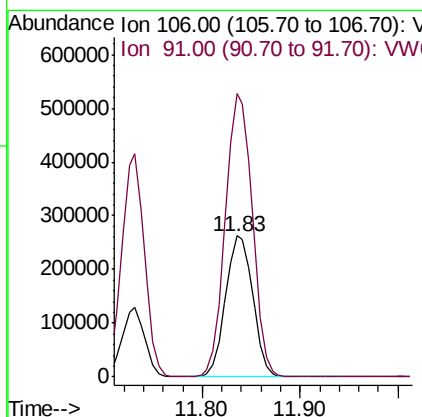
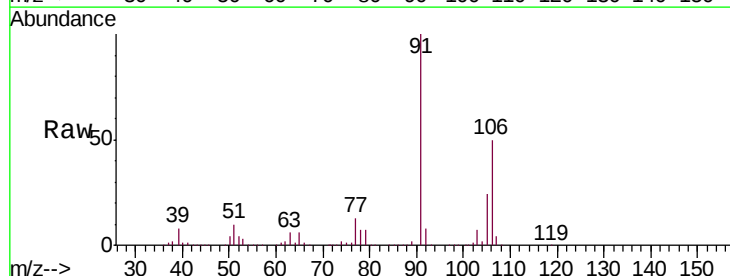
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

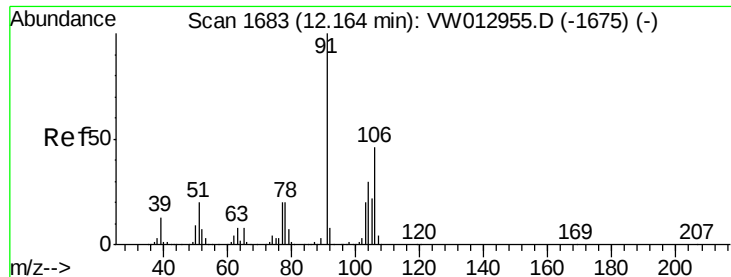
Tgt Ion: 91 Resp: 667454
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5



#68
m/p-Xylenes
Concen: 107.086 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion: 106 Resp: 506127
Ion Ratio Lower Upper
106 100
91 198.7 165.8 248.8

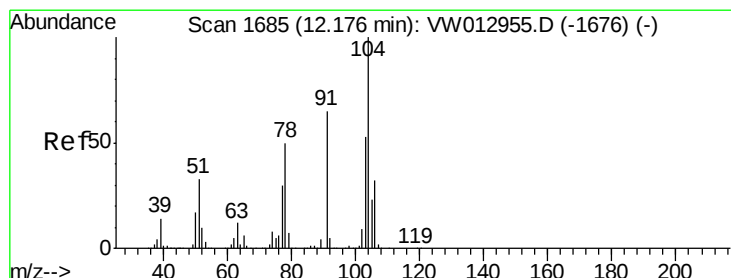
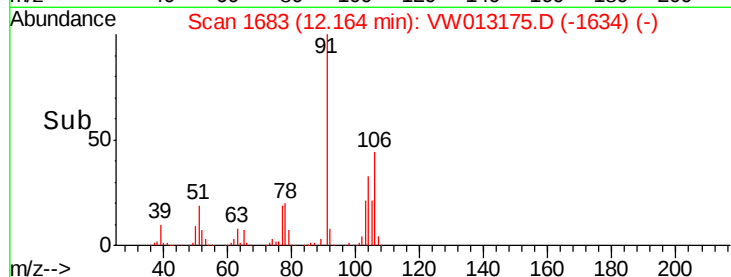
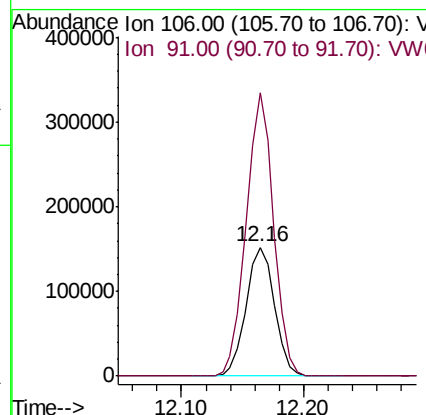
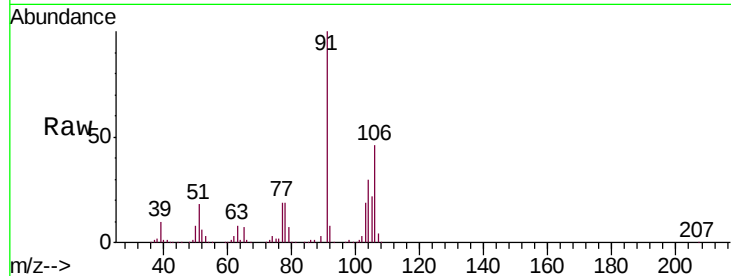




#69
o-Xylene
Concen: 55.603 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

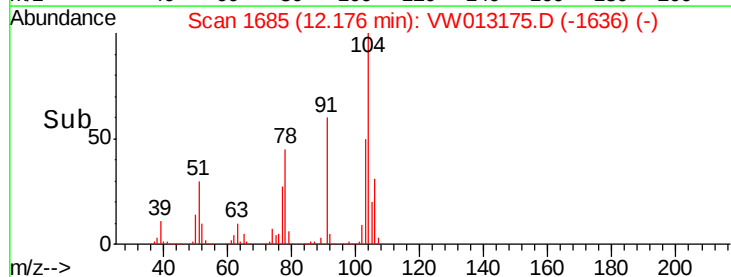
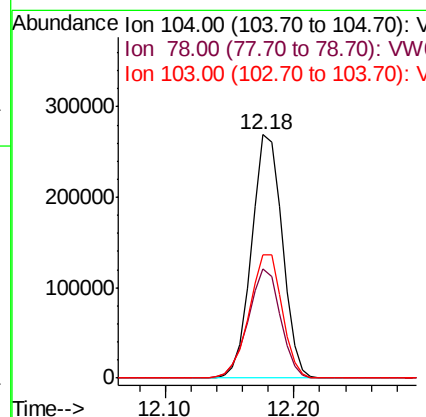
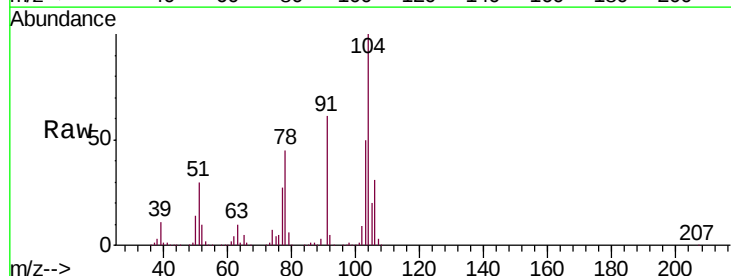
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

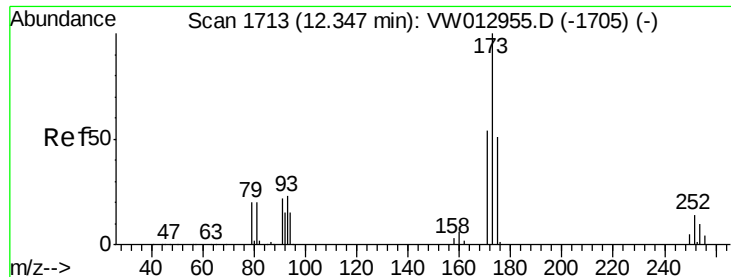
Tgt Ion:106 Resp: 246379
Ion Ratio Lower Upper
106 100
91 211.2 109.7 329.0



#70
Styrene
Concen: 56.110 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion:104 Resp: 442279
Ion Ratio Lower Upper
104 100
78 47.4 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 55.599 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

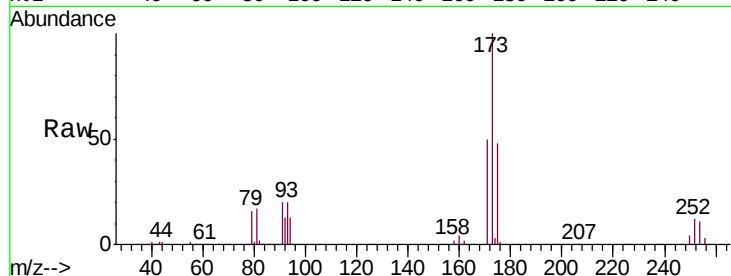
Tgt Ion:173 Resp: 78401

Ion Ratio Lower Upper

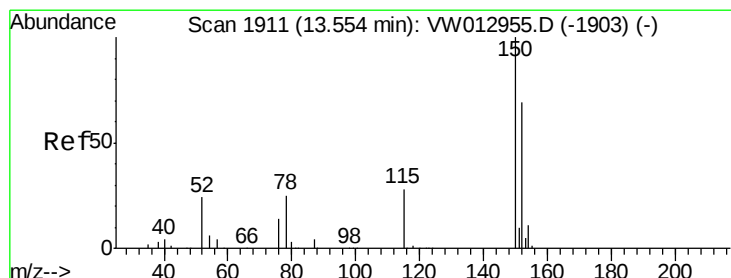
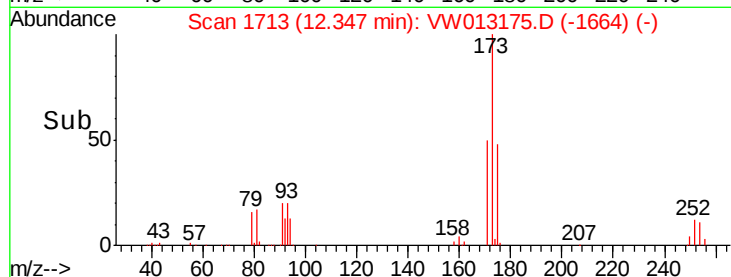
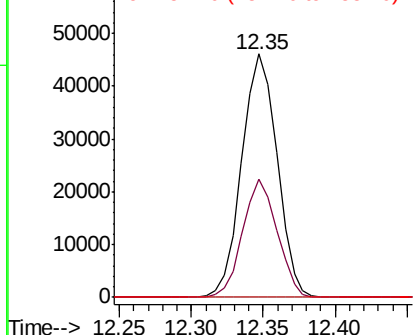
173 100

175 47.1 24.2 72.6

254 0.1 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. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

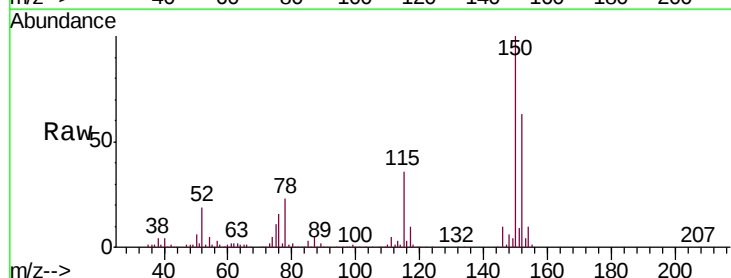
Tgt Ion:152 Resp: 200895

Ion Ratio Lower Upper

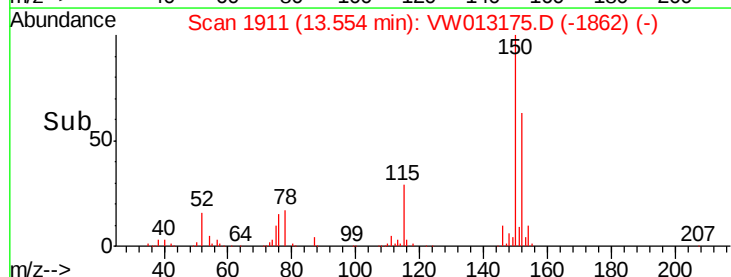
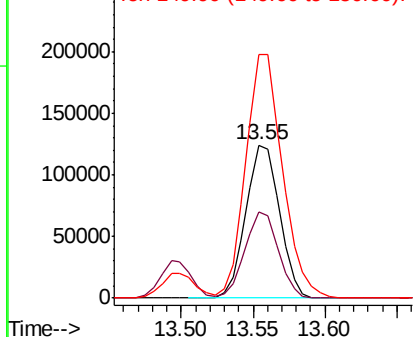
152 100

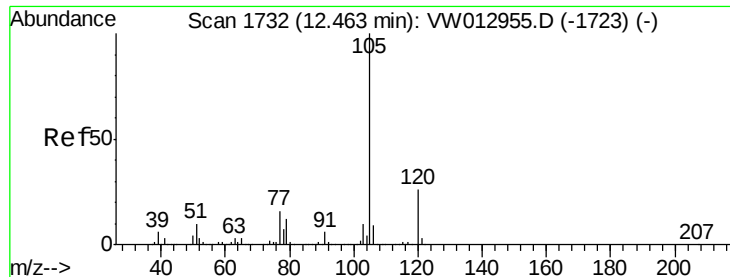
115 55.8 28.8 86.4

150 173.8 0.0 340.2



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: 50.900 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

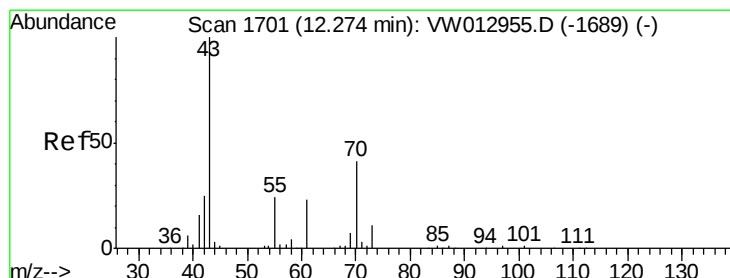
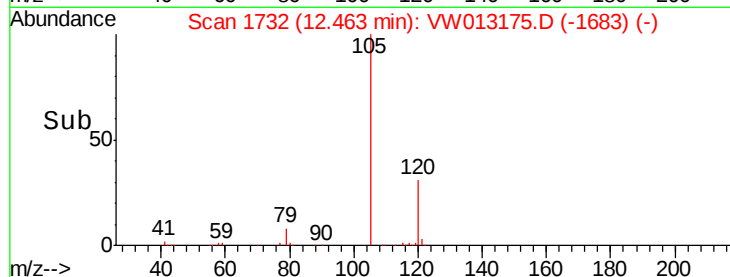
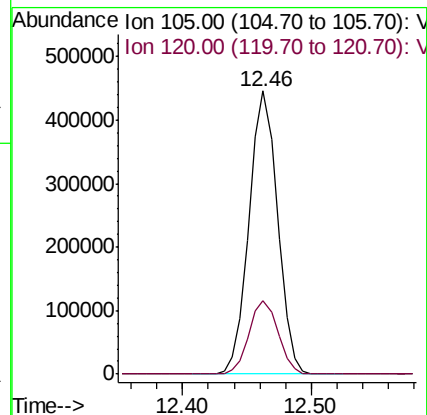
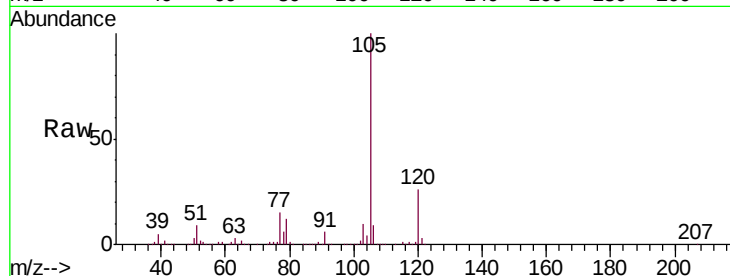
VSTDCCC050EC

Tgt Ion:105 Resp: 677778

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



#74

N-ethyl acetate

Concen: 50.144 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Tgt Ion: 43 Resp: 171762

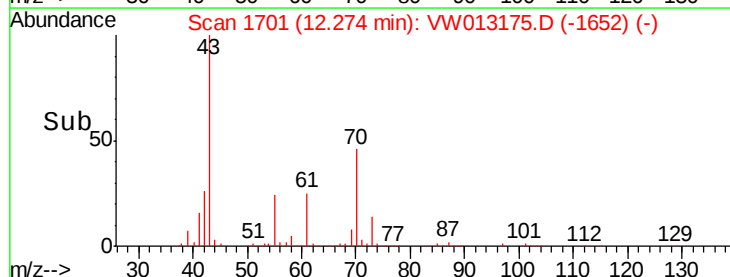
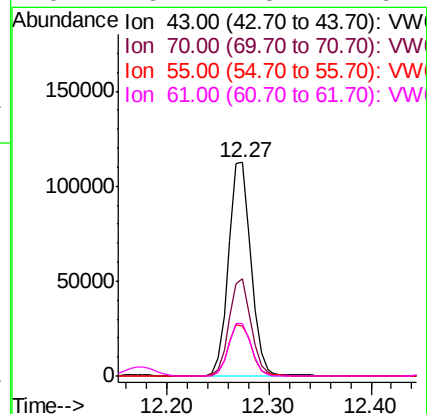
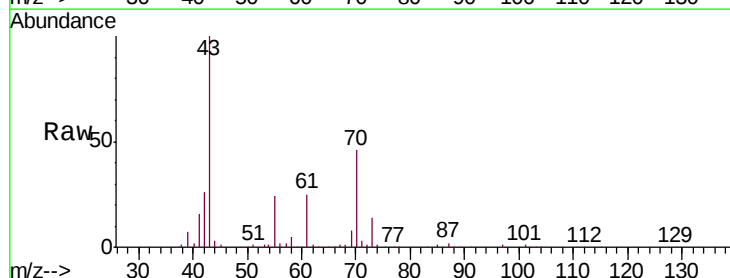
Ion Ratio Lower Upper

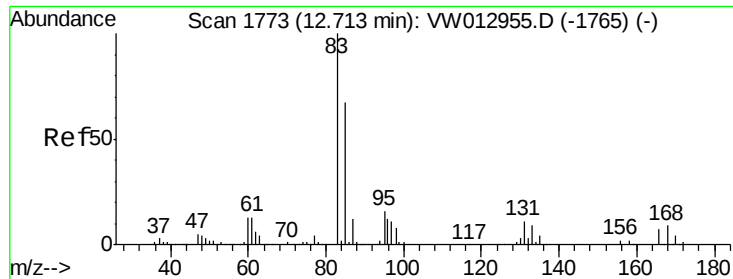
43 100

70 44.3 31.7 47.5

55 25.0 19.4 29.2

61 25.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.889 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

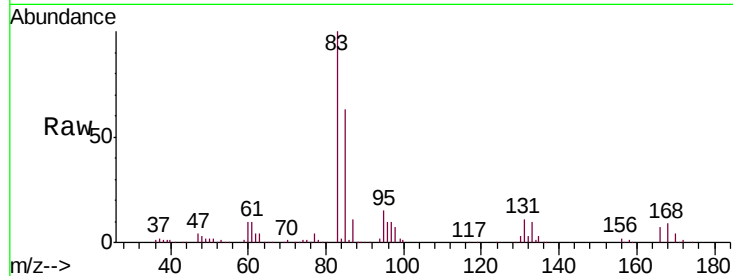
Tgt Ion: 83 Resp: 133050

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

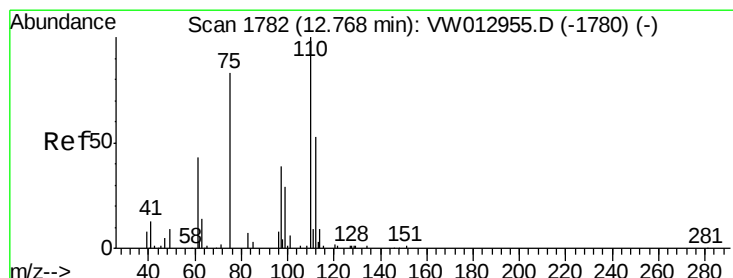
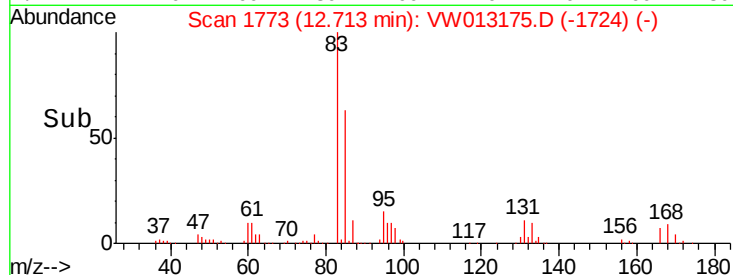
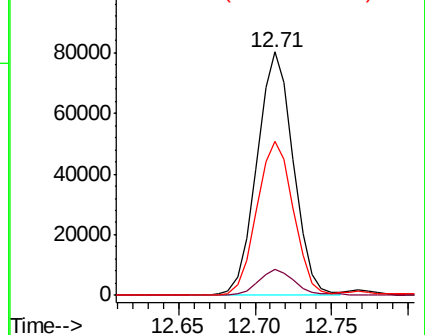
85 63.3 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 93.346 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013175.D

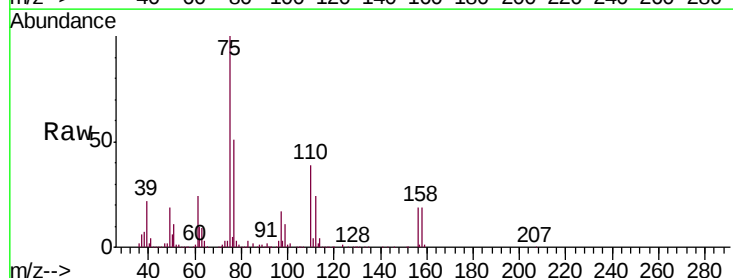
Acq: 19 Sep 2019 21:18

Tgt Ion: 75 Resp: 164260

Ion Ratio Lower Upper

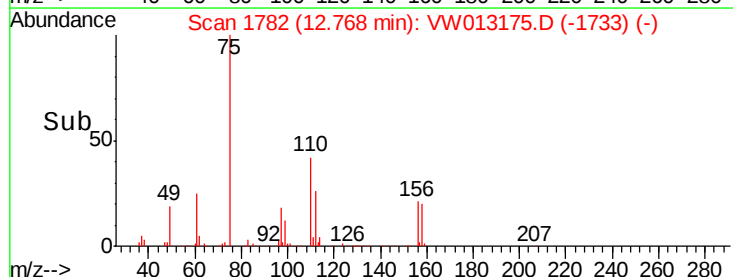
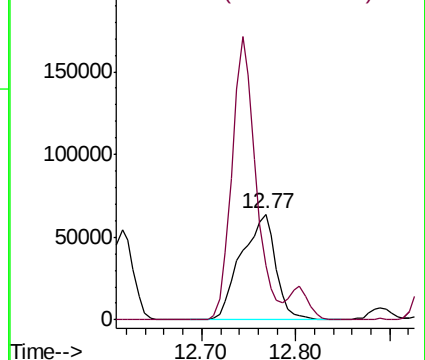
75 100

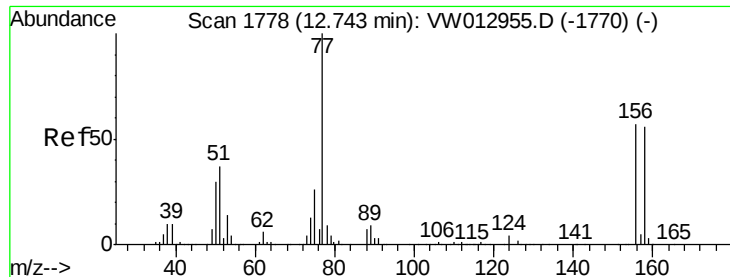
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.946 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

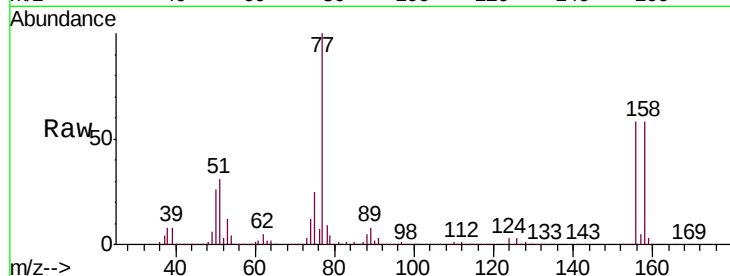
Tgt Ion:156 Resp: 168555

Ion Ratio Lower Upper

156 100

77 180.2 95.2 285.6

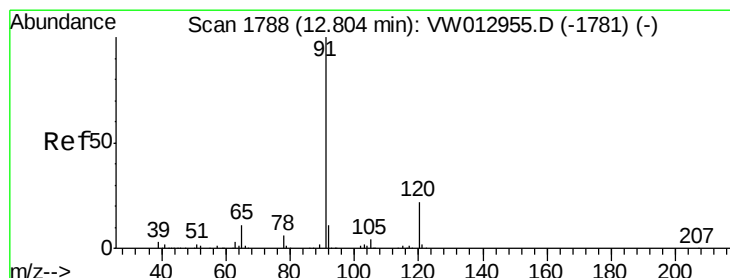
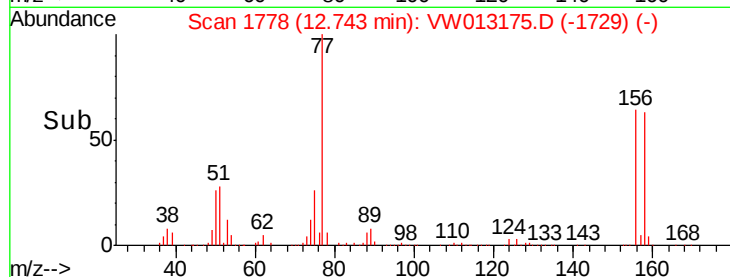
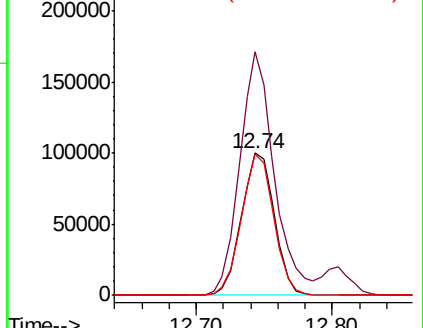
158 97.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.289 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013175.D

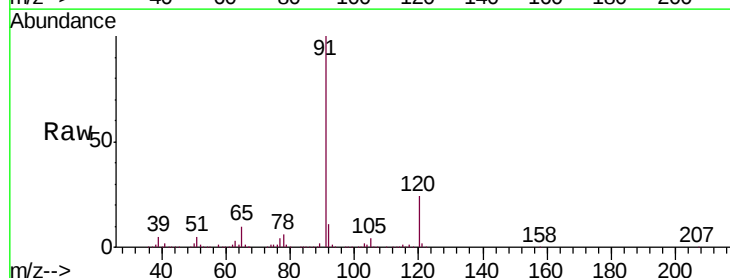
Acq: 19 Sep 2019 21:18

Tgt Ion: 91 Resp: 787706

Ion Ratio Lower Upper

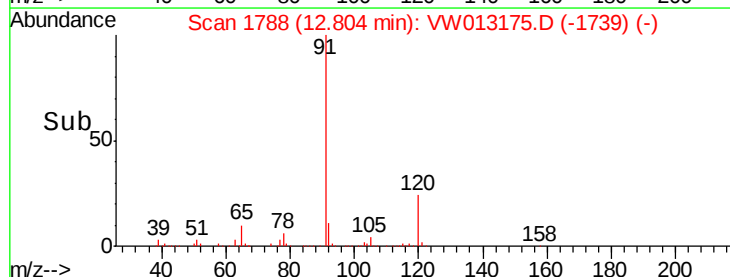
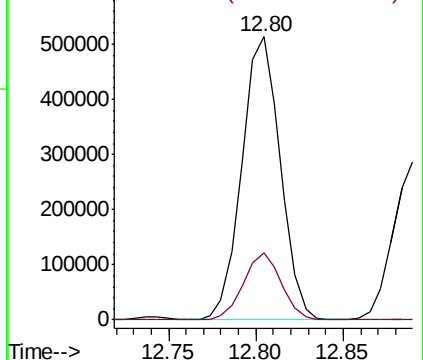
91 100

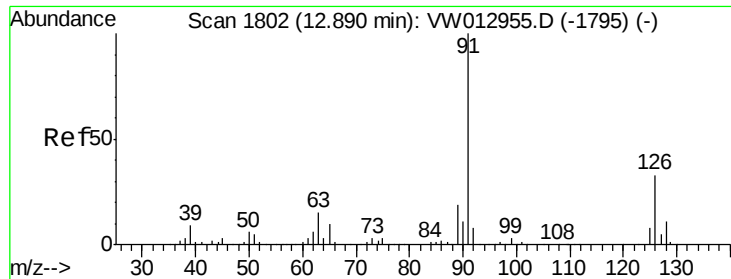
120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.728 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

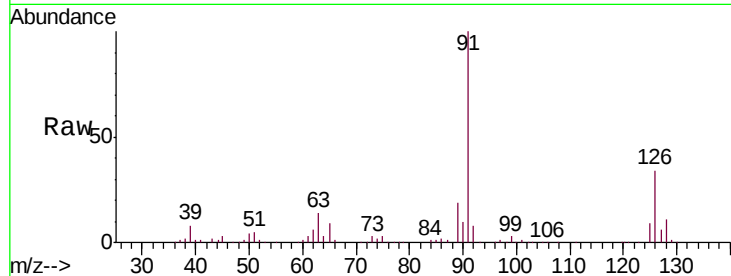
VSTDCCC050EC

Tgt Ion: 91 Resp: 456767

Ion Ratio Lower Upper

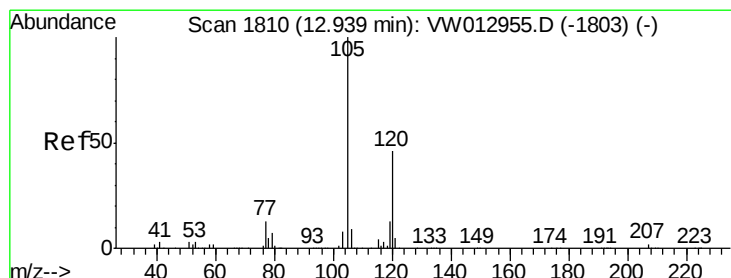
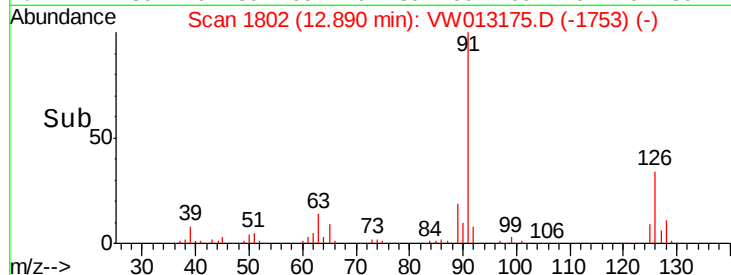
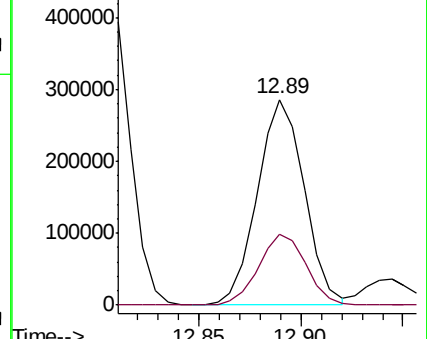
91 100

126 34.8 16.5 49.5



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: 50.723 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013175.D

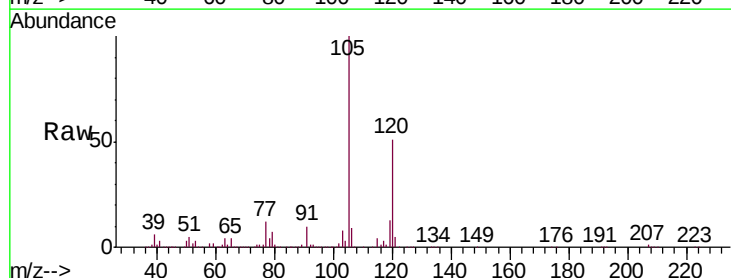
Acq: 19 Sep 2019 21:18

Tgt Ion: 105 Resp: 571408

Ion Ratio Lower Upper

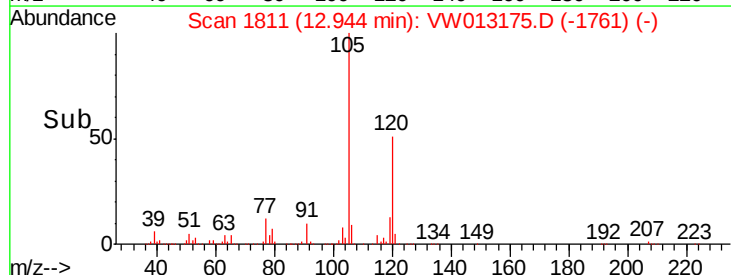
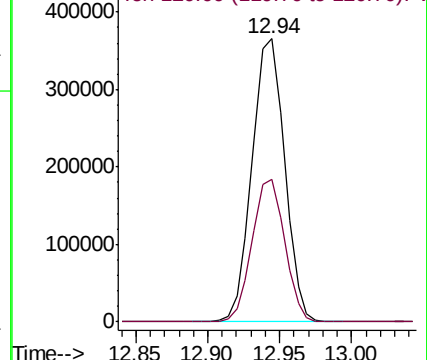
105 100

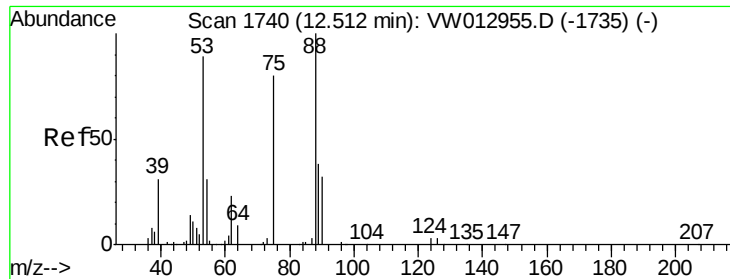
120 50.4 24.2 72.6



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: 51.809 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

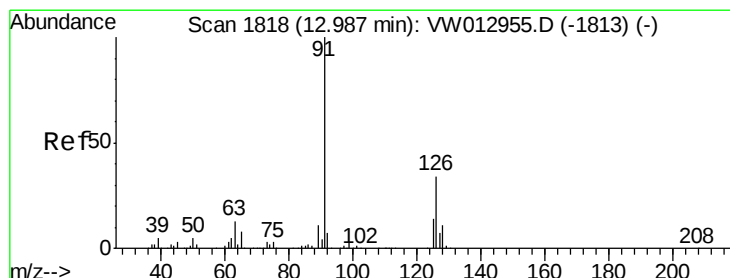
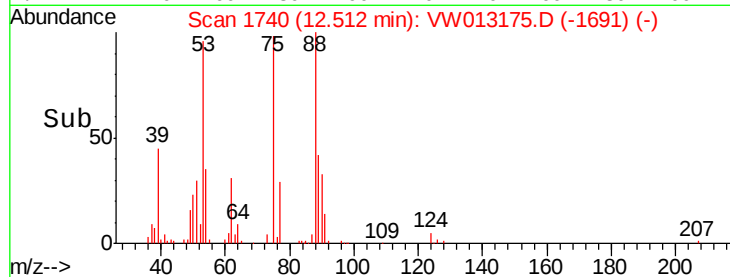
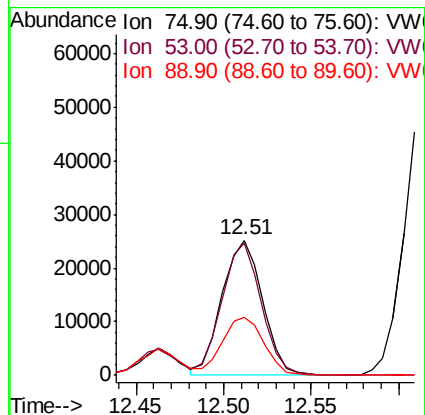
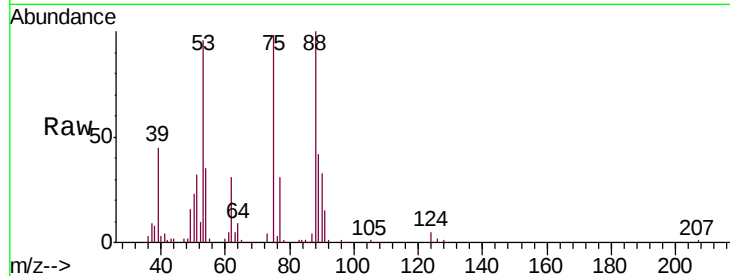
Tgt Ion: 75 Resp: 40189

Ion Ratio Lower Upper

75 100

53 96.6 85.6 128.4

89 44.7 37.2 55.8



#82

4-Chlorotoluene

Concen: 50.612 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013175.D

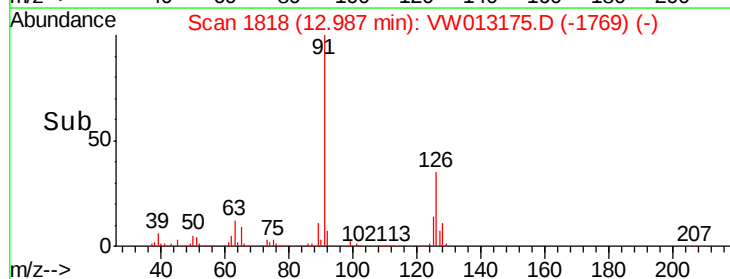
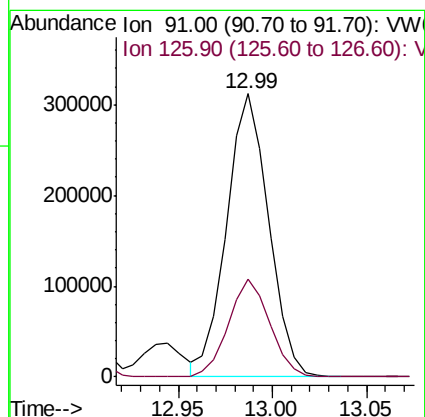
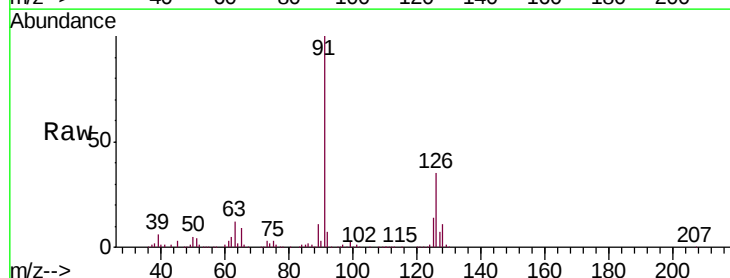
Acq: 19 Sep 2019 21:18

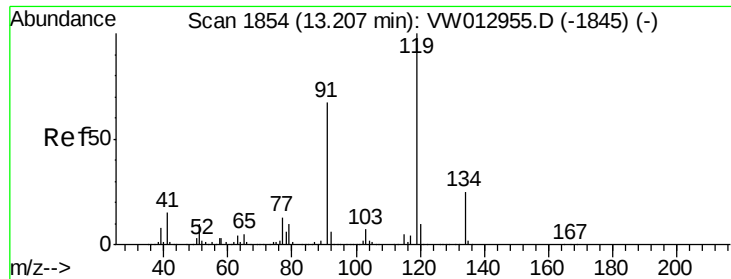
Tgt Ion: 91 Resp: 480838

Ion Ratio Lower Upper

91 100

126 34.2 16.1 48.3

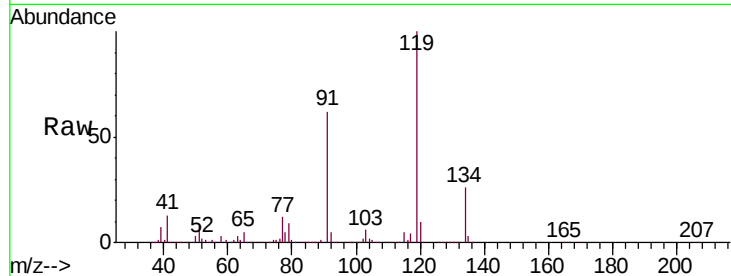




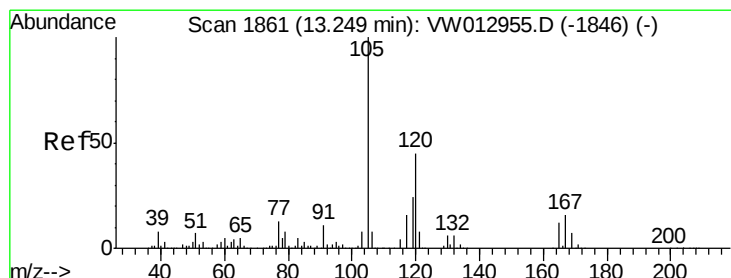
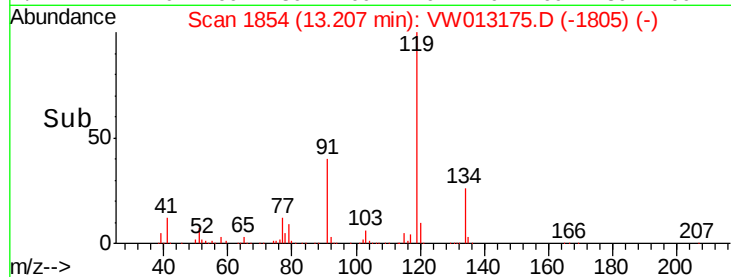
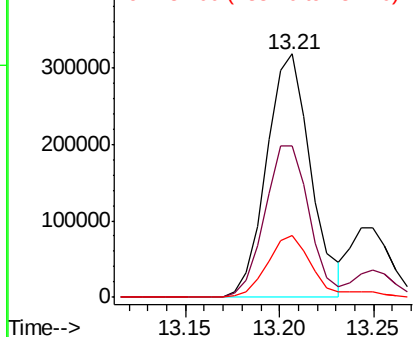
#83
 tert-Butylbenzene
 Concen: 51.485 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 518784
 Ion Ratio Lower Upper
 119 100
 91 62.4 32.6 98.0
 134 26.6 12.4 37.4

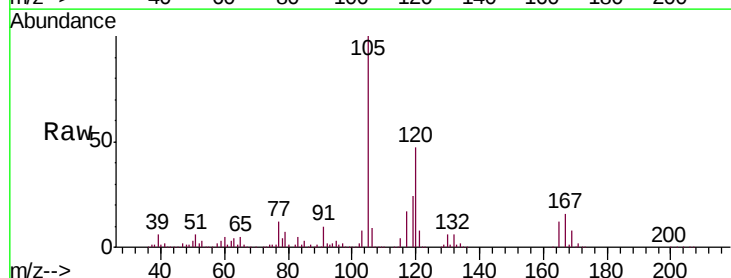


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

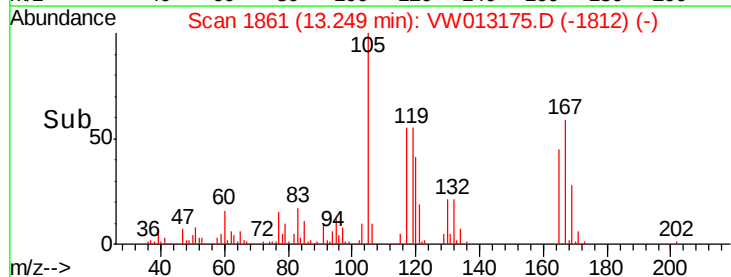
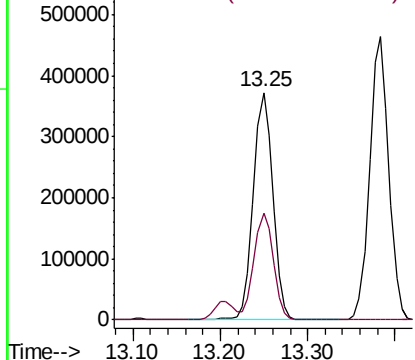


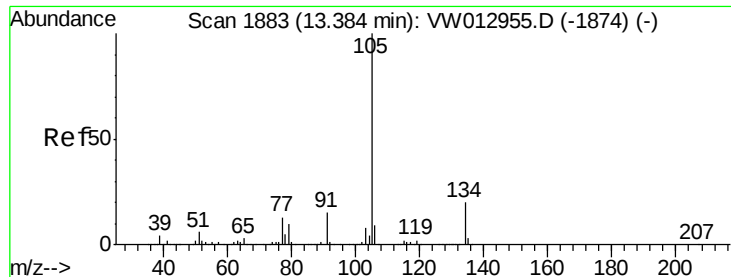
#84
 1,2,4-Trimethylbenzene
 Concen: 51.689 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion:105 Resp: 575400
 Ion Ratio Lower Upper
 105 100
 120 46.2 21.9 65.7



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

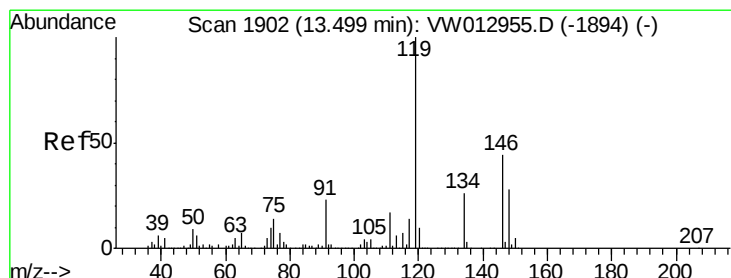
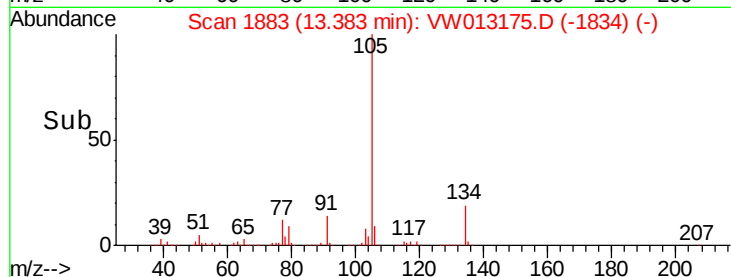
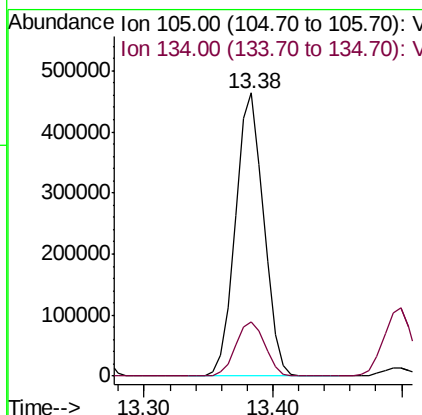
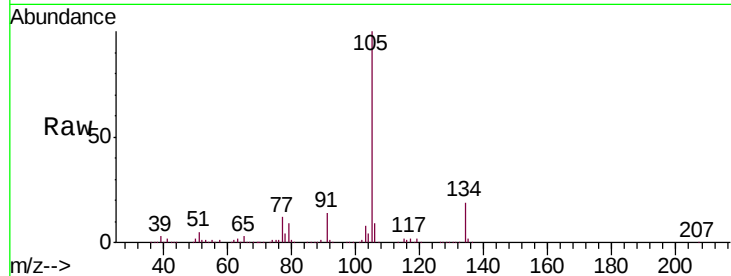




#85
 sec-Butylbenzene
 Concen: 51.295 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

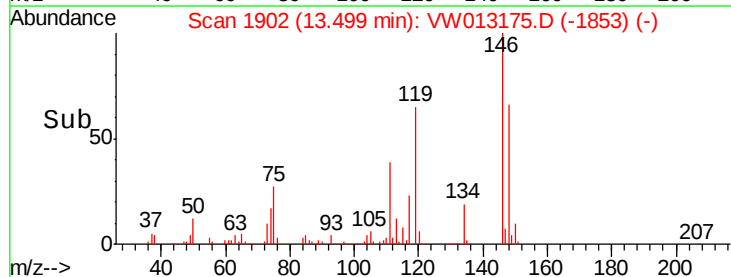
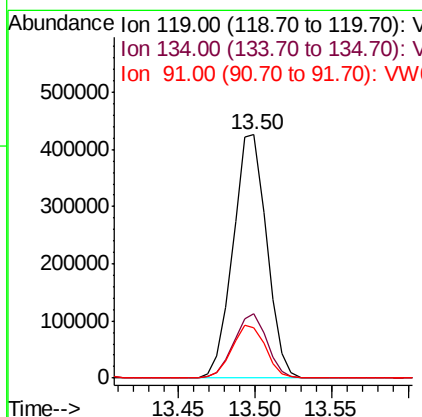
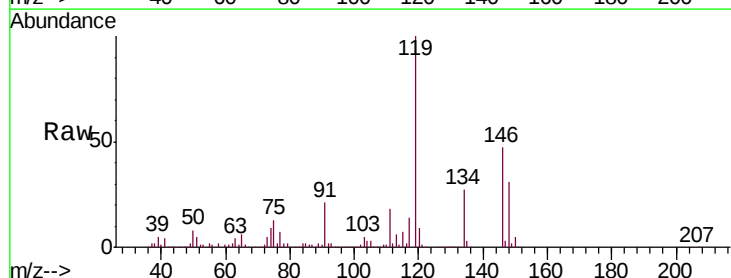
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

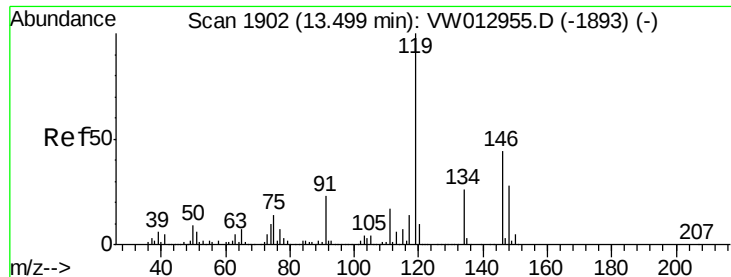
Tgt Ion:105 Resp: 704198
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 51.465 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion:119 Resp: 648678
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 21.7 11.8 35.4

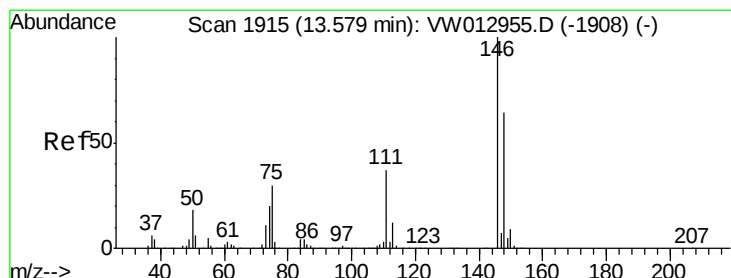
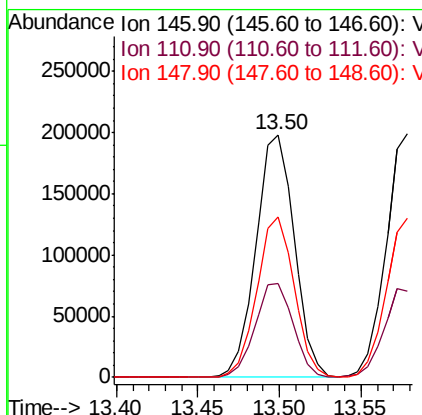
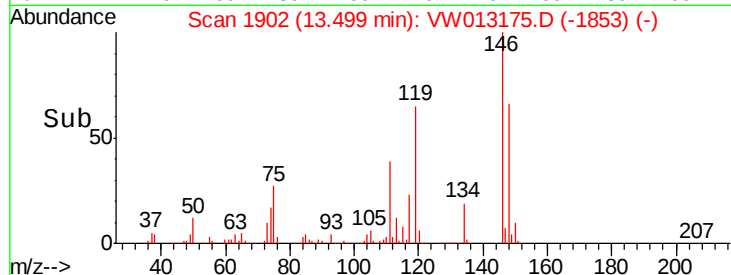
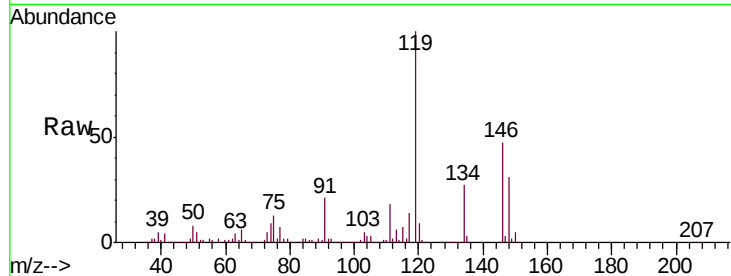




#87
 1,3-Dichlorobenzene
 Concen: 53.472 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

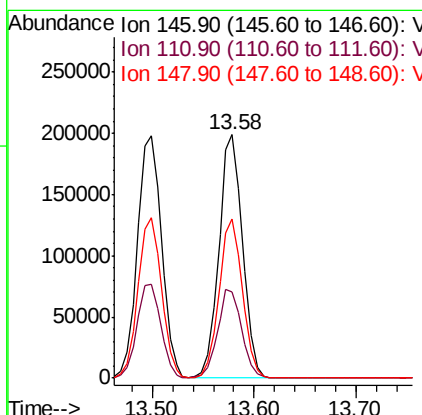
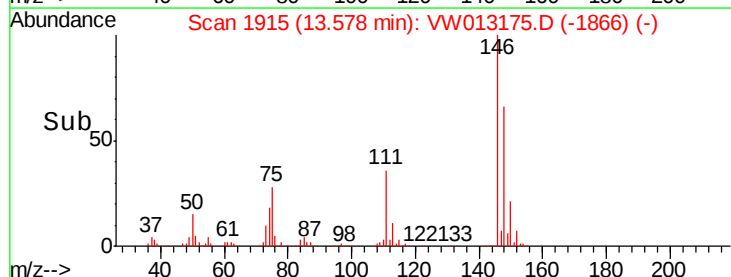
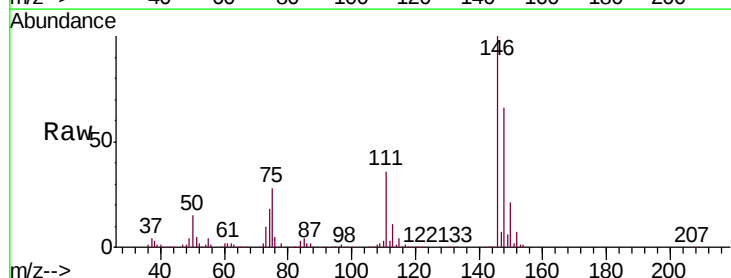
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

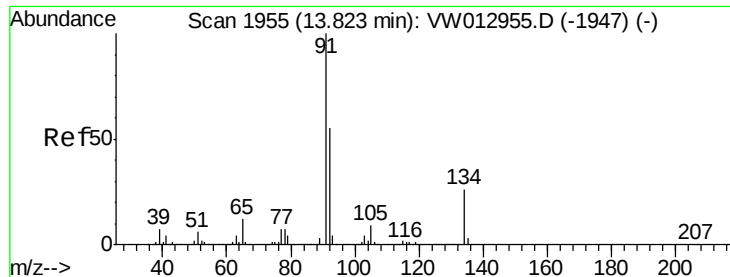
Tgt Ion:146 Resp: 324717
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.8 59.4
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 53.723 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion:146 Resp: 320598
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.4 58.2
 148 64.9 31.9 95.5





#89

n-Butylbenzene

Concen: 49.195 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

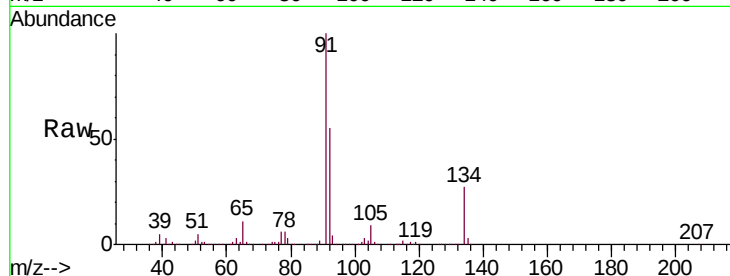
Tgt Ion: 91 Resp: 584774

Ion Ratio Lower Upper

91 100

92 54.7 27.2 81.5

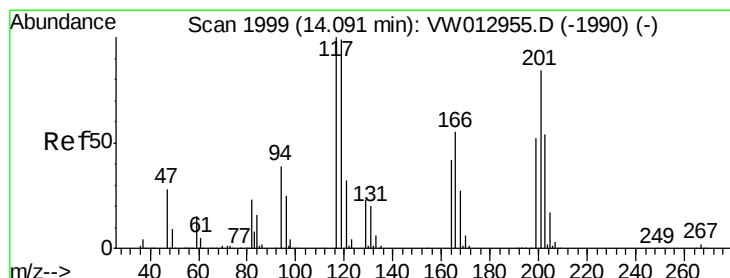
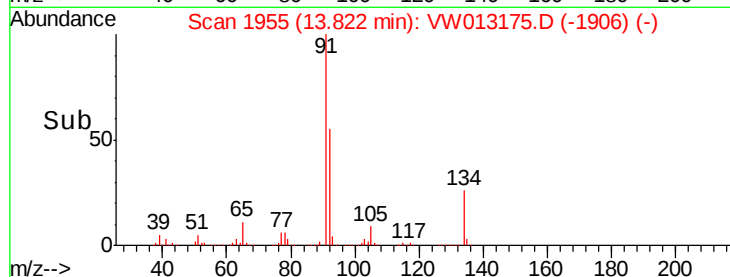
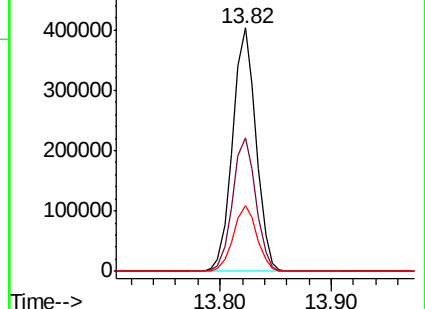
134 27.1 13.1 39.1



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: 50.924 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013175.D

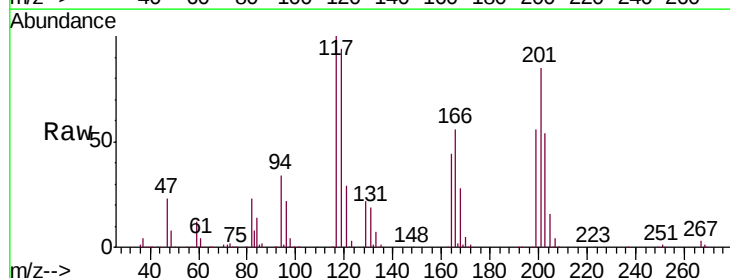
Acq: 19 Sep 2019 21:18

Tgt Ion: 117 Resp: 115025

Ion Ratio Lower Upper

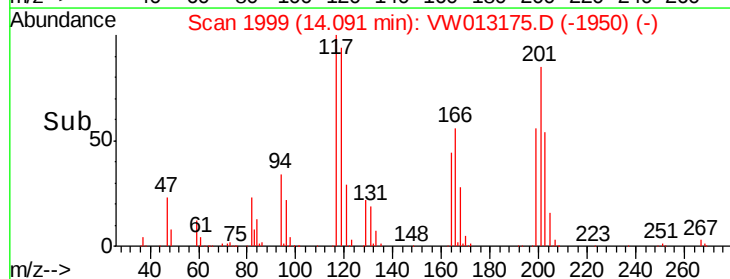
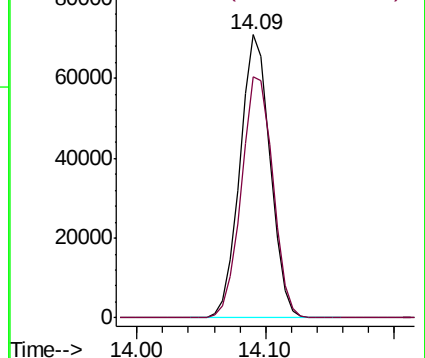
117 100

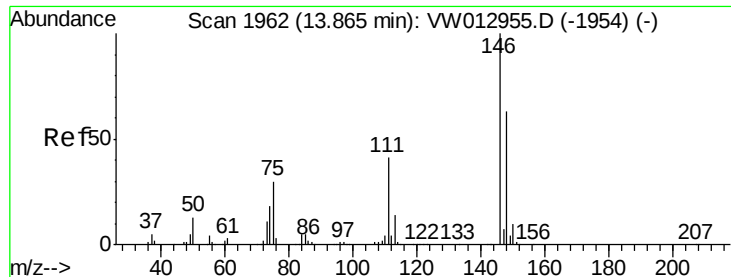
201 88.7 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 55.623 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

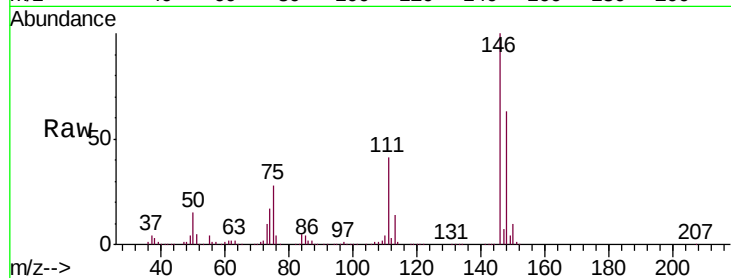
Tgt Ion:146 Resp: 297044

Ion Ratio Lower Upper

146 100

111 39.9 20.8 62.5

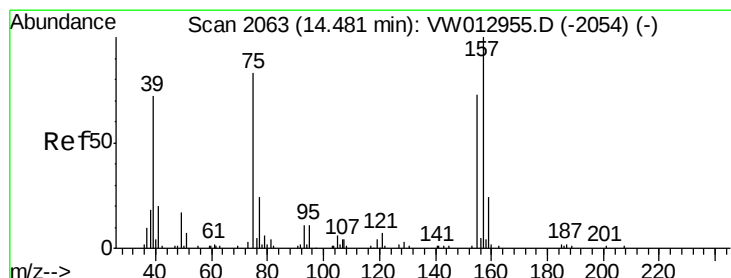
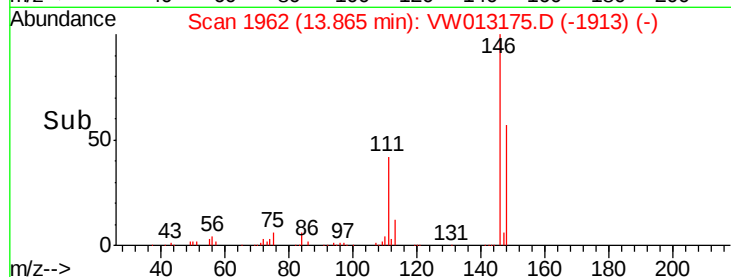
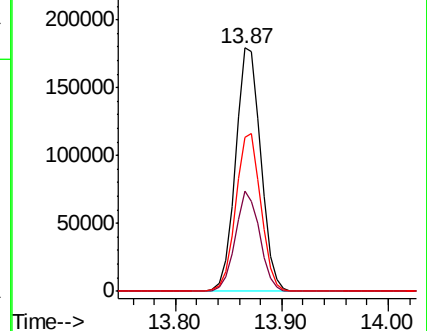
148 64.8 32.7 98.1



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: 46.200 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013175.D

Acq: 19 Sep 2019 21:18

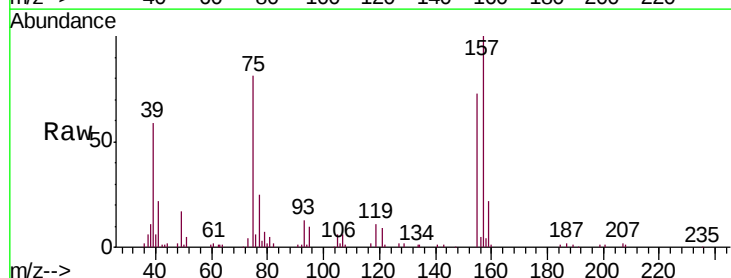
Tgt Ion: 75 Resp: 19778

Ion Ratio Lower Upper

75 100

155 97.1 43.3 129.9

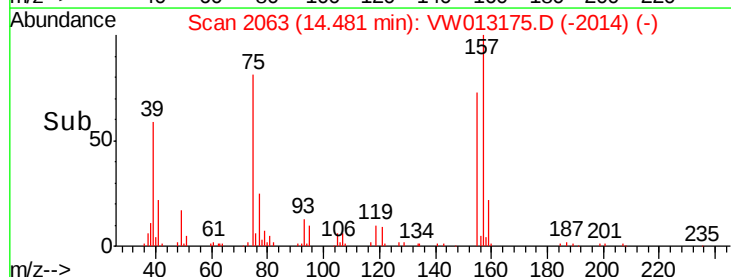
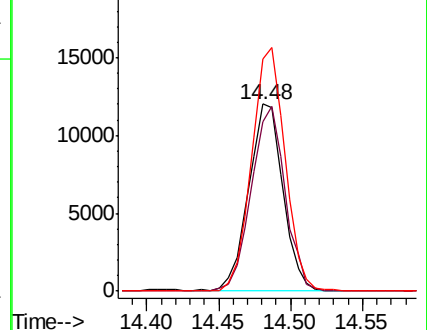
157 125.8 54.7 164.1



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

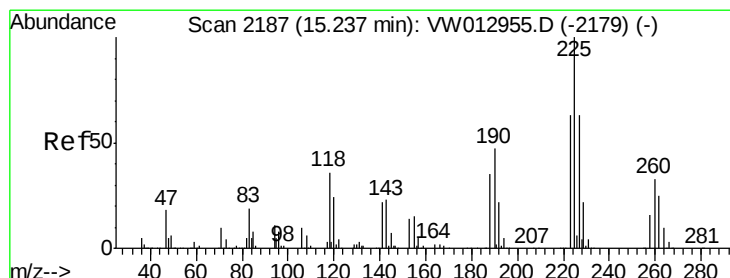
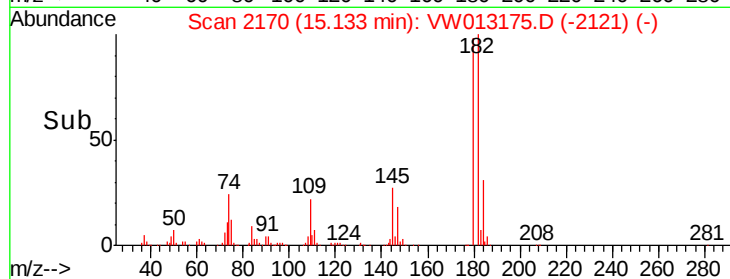
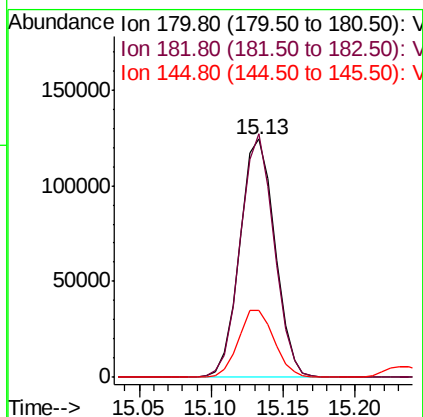
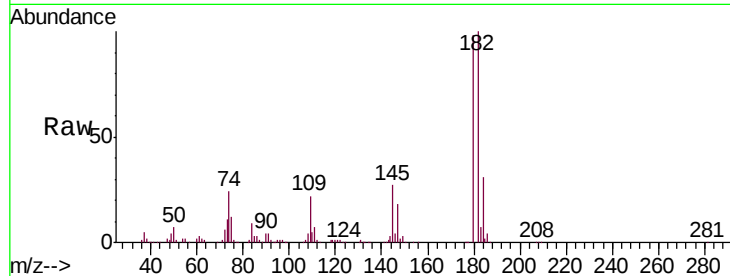




#93
 1,2,4-Trichlorobenzene
 Concen: 55.118 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

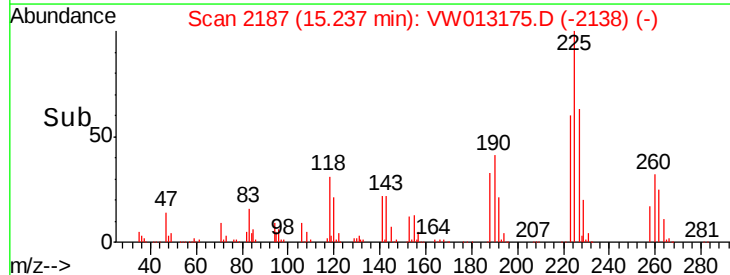
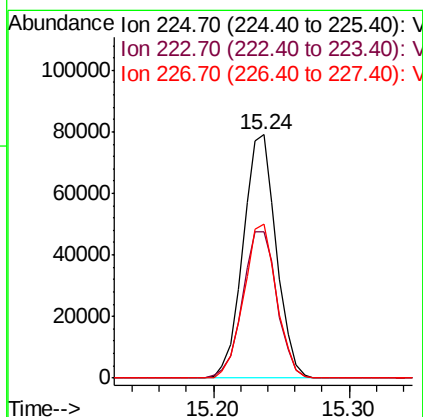
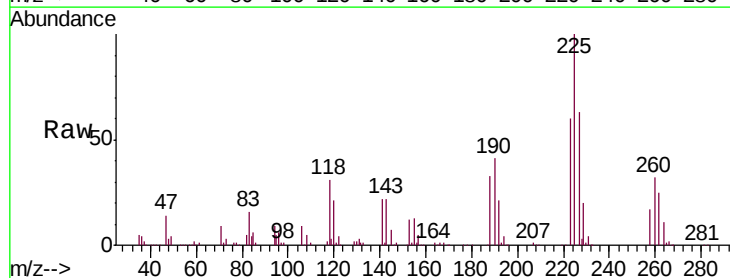
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

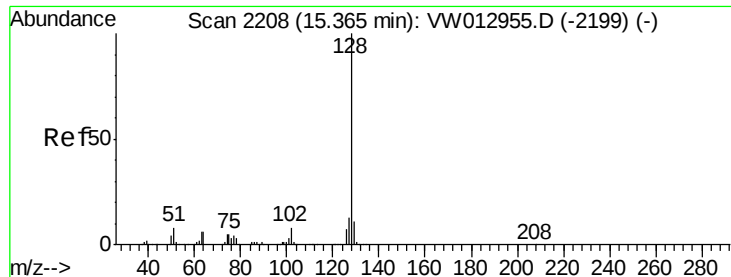
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.4	142.2
145	28.7	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 49.740 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013175.D
 Acq: 19 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.3
227	62.8	31.3	93.8

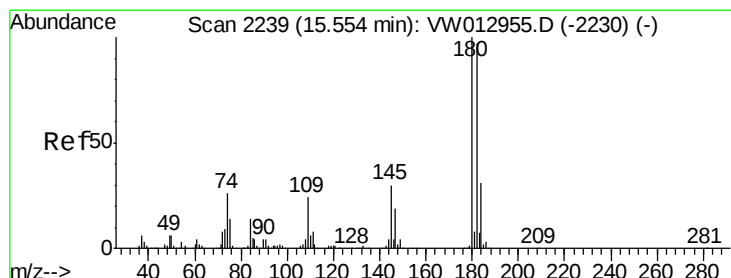
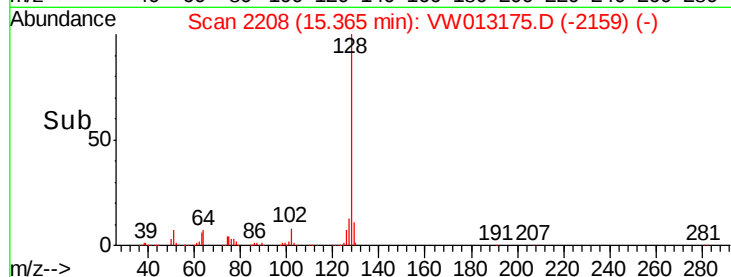
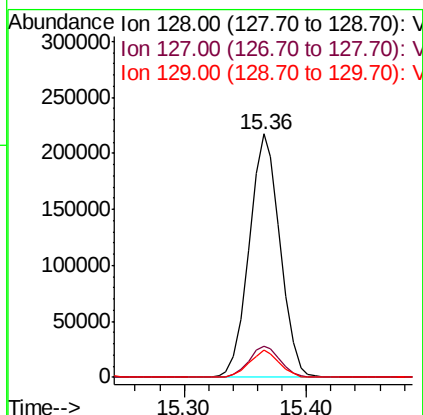
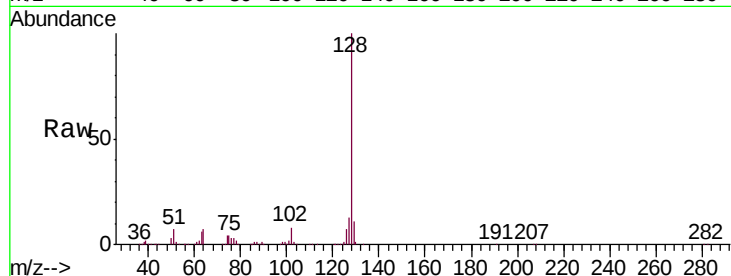




#95
Naphthalene
Concen: 59.826 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	10.8	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.148 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013175.D
Acq: 19 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	30.0	15.4	46.2

