

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012488.D
 Acq On : 02 Sep 2019 10:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 03 07:35:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	137571	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	7.88	113	109517	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
50) Toluene-d8	10.32	98	438071	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.62	95	154423	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	60728	45.295	ug/l	99
3) Chloromethane	2.21	50	97315	46.850	ug/l	97
4) Vinyl Chloride	2.36	62	116006	45.629	ug/l	99
5) Bromomethane	2.78	94	62206	48.313	ug/l	98
6) Chloroethane	2.92	64	68210	47.560	ug/l	94
7) Trichlorofluoromethane	3.26	101	74817	58.607	ug/l	99
8) Diethyl Ether	3.68	74	56782	46.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104946	48.364	ug/l	98
10) Methyl Iodide	4.26	142	144418	49.189	ug/l	98
11) Tert butyl alcohol	5.15	59	40381	259.235	ug/l	99
12) 1,1-Dichloroethene	4.04	96	104674	47.926	ug/l	99
13) Acrolein	3.89	56	10943	74.630	ug/l	94
14) Allyl chloride	4.66	41	231451	49.570	ug/l	99
15) Acrylonitrile	5.35	53	143744	239.331	ug/l	100
16) Acetone	4.11	43	182546	275.893	ug/l	99
17) Carbon Disulfide	4.38	76	303790	46.024	ug/l	99
18) Methyl Acetate	4.67	43	78605	47.965	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	187207	53.004	ug/l	99
20) Methylene Chloride	4.91	84	111865	44.722	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	110486	47.175	ug/l	98
22) Diisopropyl ether	6.31	45	426277	49.253	ug/l	98
23) Vinyl Acetate	6.25	43	1297656	243.633	ug/l	99
24) 1,1-Dichloroethane	6.21	63	229971	48.801	ug/l	99
25) 2-Butanone	7.17	43	219897	244.571	ug/l	98
26) 2,2-Dichloropropane	7.17	77	143415	53.769	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	121758	48.659	ug/l	98
28) Bromochloromethane	7.51	49	93462	45.505	ug/l	98
29) Tetrahydrofuran	7.52	42	132055	244.805	ug/l	99
30) Chloroform	7.67	83	214603	49.776	ug/l	97
31) Cyclohexane	7.95	56	207045	44.409	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177423	52.021	ug/l	99
36) 1,1-Dichloropropene	8.08	75	174691	50.154	ug/l	100
37) Ethyl Acetate	7.25	43	90828	47.587	ug/l	99
38) Carbon Tetrachloride	8.07	117	159602	52.942	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191460	48.930	ug/l	98
40) Benzene	8.32	78	468203	49.229	ug/l	99
41) Methacrylonitrile	7.48	41	58874	52.482	ug/l	96
42) 1,2-Dichloroethane	8.40	62	152331	51.105	ug/l	100
43) Isopropyl Acetate	8.42	43	173520	49.080	ug/l	100
44) Trichloroethene	9.09	130	116040	50.190	ug/l	98
45) 1,2-Dichloropropane	9.37	63	123945	48.423	ug/l	99
46) Dibromomethane	9.46	93	55793	48.990	ug/l	98
47) Bromodichloromethane	9.65	83	155618	51.342	ug/l	96
48) Methyl methacrylate	9.43	41	82857	49.240	ug/l	98
49) 1,4-Dioxane	9.44	88	16866	967.386	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	442219	245.917	ug/l	99
52) Toluene	10.38	92	284539	49.801	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	159411	51.632	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	188915	50.676	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	79247	49.181	ug/l	98
56) Ethyl methacrylate	10.65	69	119137	50.801	ug/l	99
57) 1,3-Dichloropropane	10.93	76	150504	49.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	305173	253.553	ug/l	100
59) 2-Hexanone	10.96	43	322922	253.795	ug/l	99
60) Dibromochloromethane	11.13	129	91946	51.230	ug/l	100
61) 1,2-Dibromoethane	11.23	107	75359	50.200	ug/l	96
64) Tetrachloroethene	10.86	164	95166	51.074	ug/l	97
65) Chlorobenzene	11.66	112	280564	49.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	101819	51.574	ug/l	99
67) Ethyl Benzene	11.73	91	561322	51.491	ug/l	99
68) m/p-Xylenes	11.83	106	398972	101.602	ug/l	99
69) o-Xylene	12.16	106	185329	50.993	ug/l	100
70) Styrene	12.18	104	320406	50.933	ug/l	98
71) Bromoform	12.35	173	51065	51.915	ug/l #	100
73) Isopropylbenzene	12.46	105	531336	51.322	ug/l	99
74) N-amyl acetate	12.27	43	157336	50.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	92326	48.644	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	125617	93.352	ug/l #	100
77) Bromobenzene	12.74	156	113825	50.821	ug/l	97
78) n-propylbenzene	12.80	91	642599	50.843	ug/l	99
79) 2-Chlorotoluene	12.89	91	361535	50.384	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	446587	51.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30824	50.224	ug/l	96
82) 4-Chlorotoluene	12.99	91	380929	50.700	ug/l	100
83) tert-Butylbenzene	13.21	119	381095	52.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	441614	50.818	ug/l	100
85) sec-Butylbenzene	13.38	105	534456	50.907	ug/l	99
86) p-Isopropyltoluene	13.50	119	484570	51.682	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	217529	49.655	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	215628	49.571	ug/l	99
89) n-Butylbenzene	13.82	91	477426	51.205	ug/l	100
90) Hexachloroethane	14.09	117	82642	50.239	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	193475	50.343	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16185	50.583	ug/l	96

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

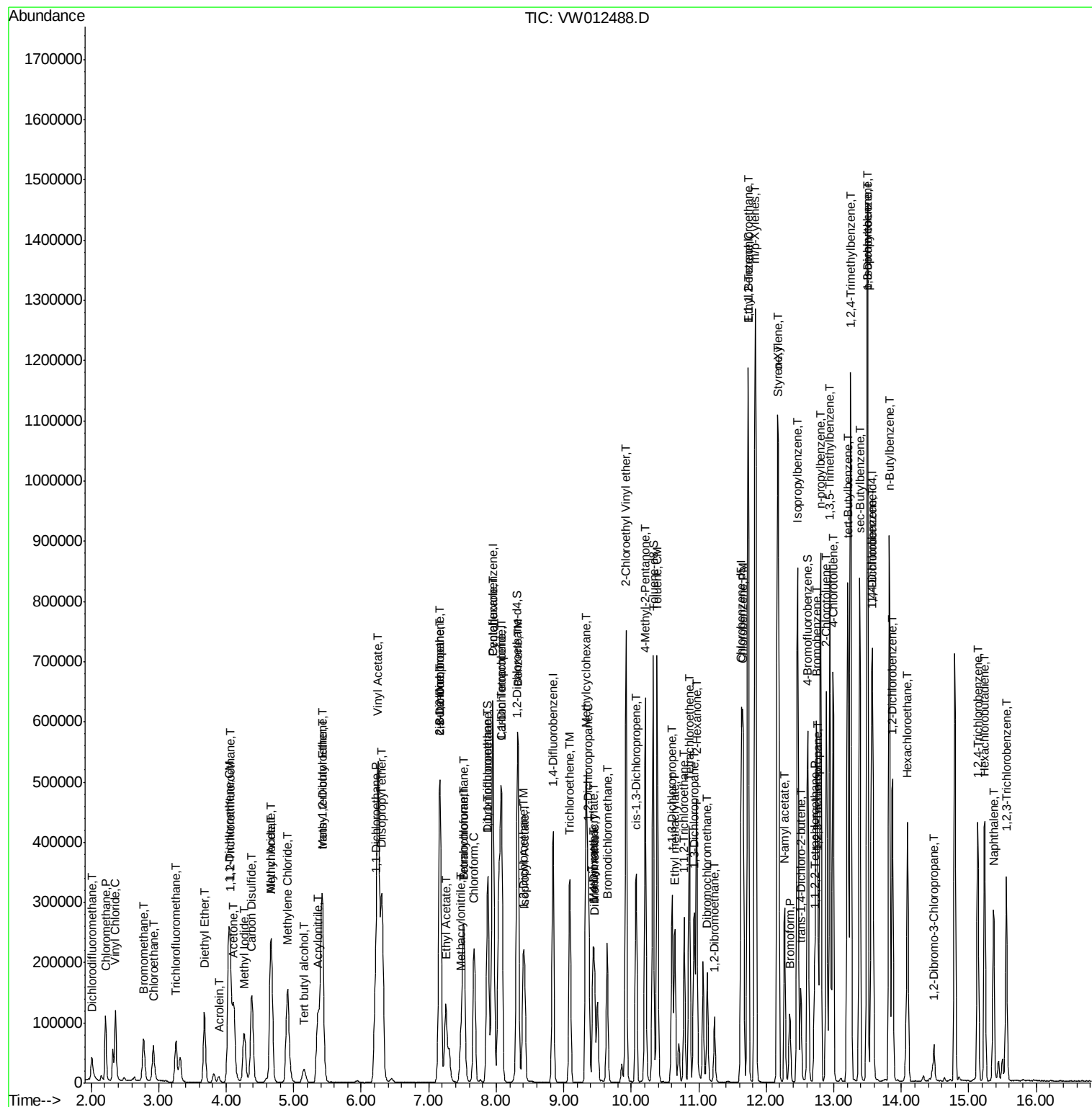
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	132025	49.711	ug/l	99
94) Hexachlorobutadiene	15.24	225	87749	50.038	ug/l	99
95) Naphthalene	15.36	128	229774	44.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	112709	48.641	ug/l	98

(#) = 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: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

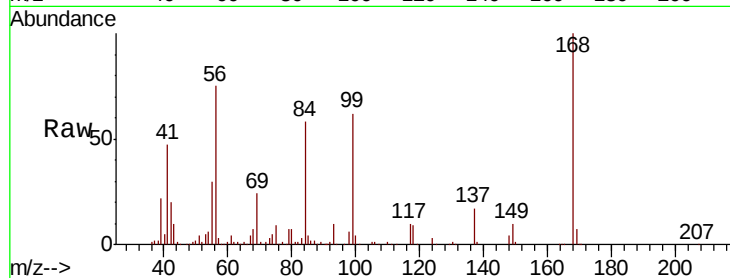
VSTDCCC050

Tgt Ion:168 Resp: 217742

Ion Ratio Lower Upper

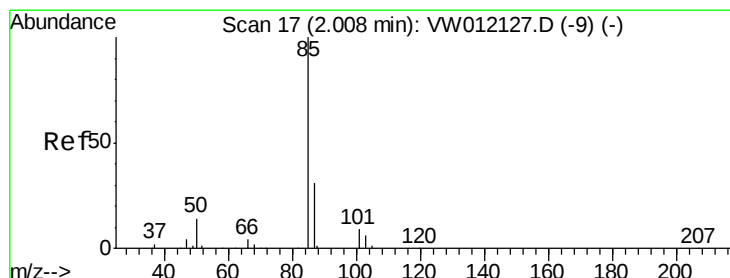
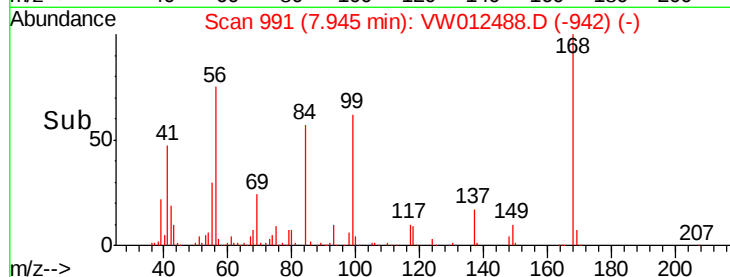
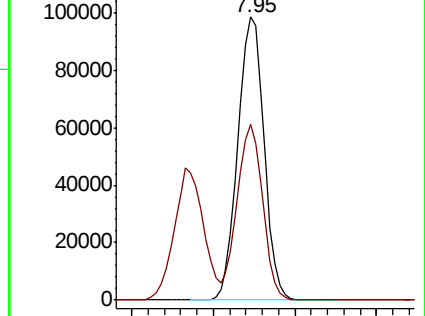
168 100

99 62.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.295 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012488.D

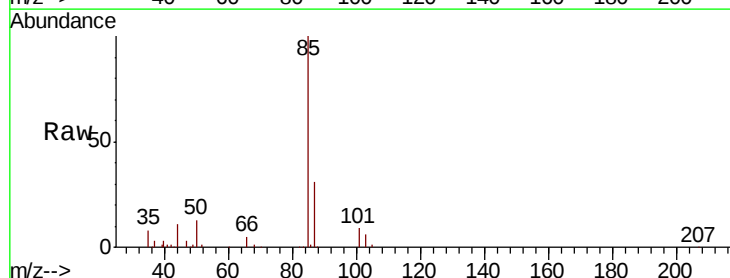
Acq: 02 Sep 2019 10:08

Tgt Ion: 85 Resp: 60728

Ion Ratio Lower Upper

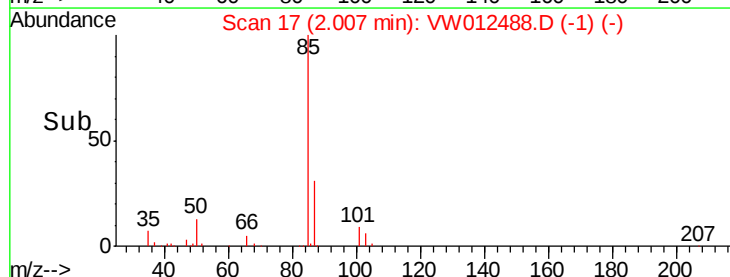
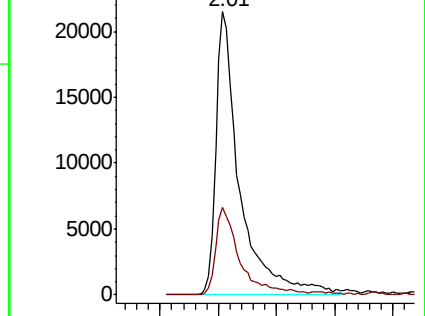
85 100

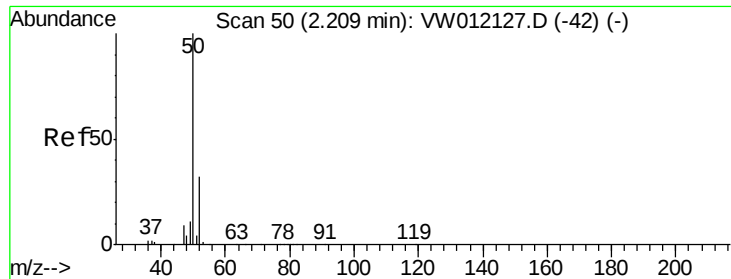
87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.850 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

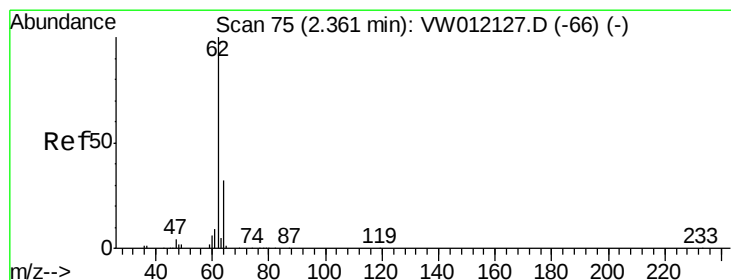
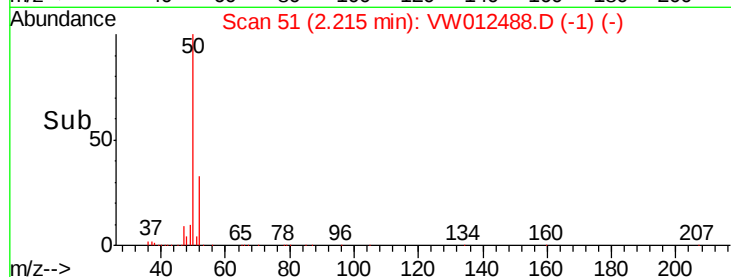
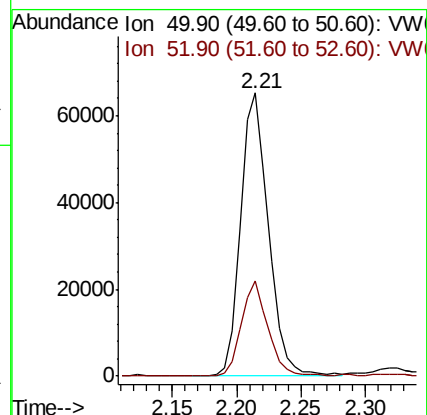
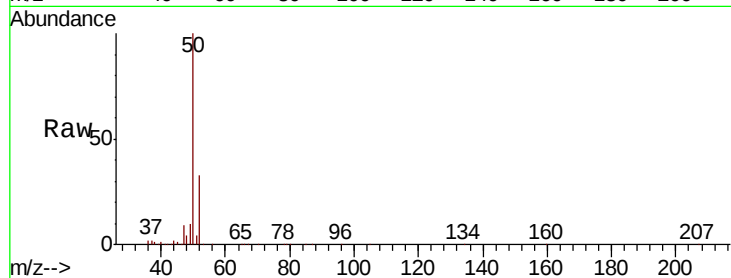
VSTDCCC050

Tgt Ion: 50 Resp: 97315

Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3



#4

Vinyl Chloride

Concen: 45.629 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012488.D

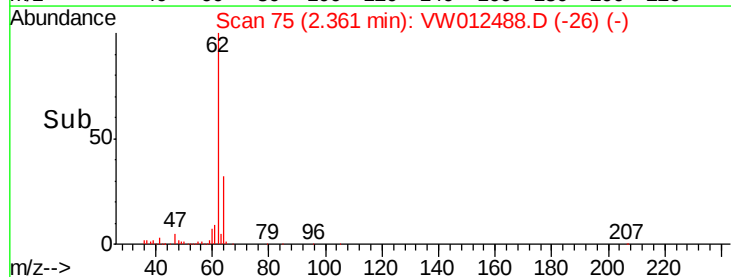
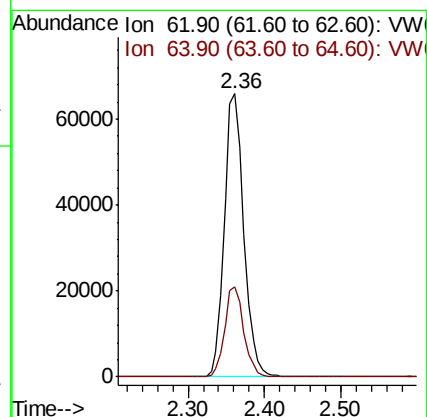
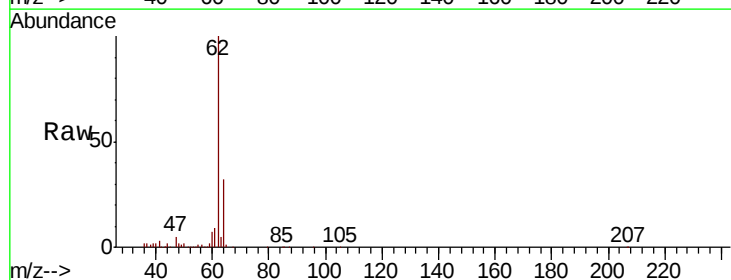
Acq: 02 Sep 2019 10:08

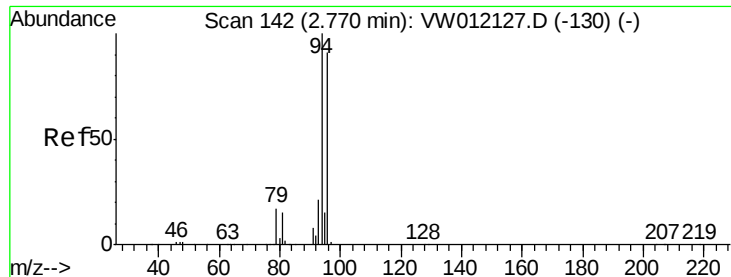
Tgt Ion: 62 Resp: 116006

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 48.313 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

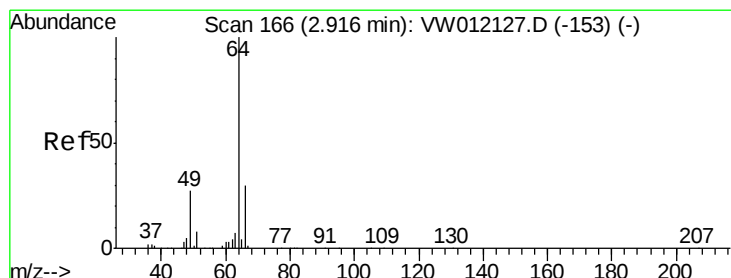
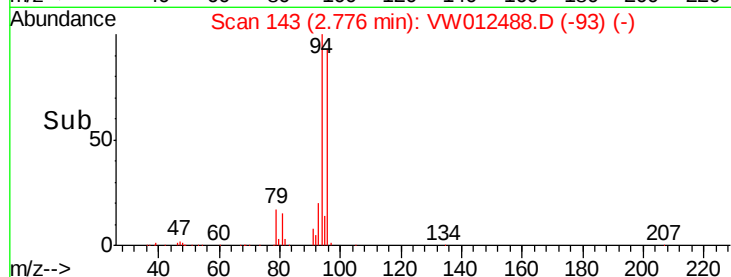
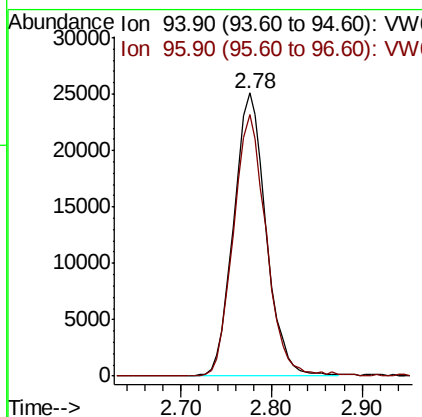
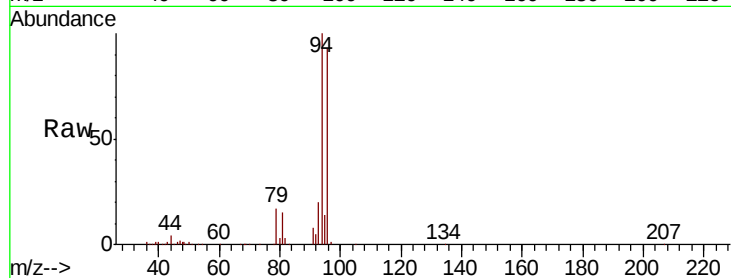
VSTDCCC050

Tgt Ion: 94 Resp: 62206

Ion Ratio Lower Upper

94 100

96 92.6 72.9 109.3



#6

Chloroethane

Concen: 47.560 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012488.D

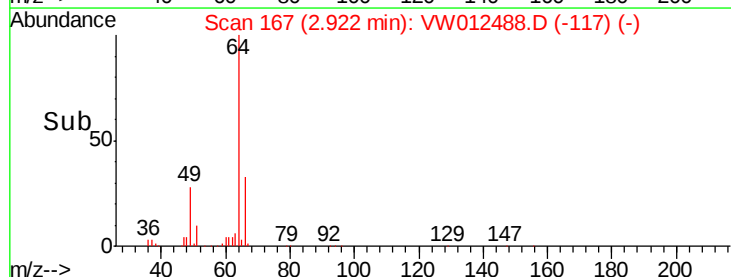
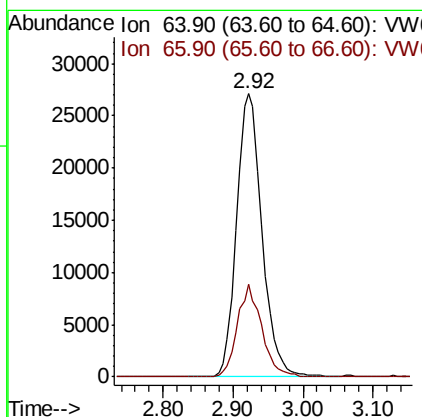
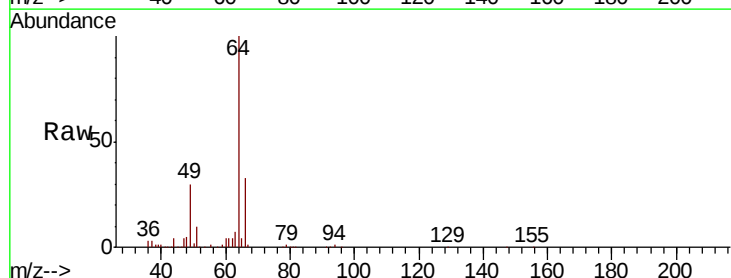
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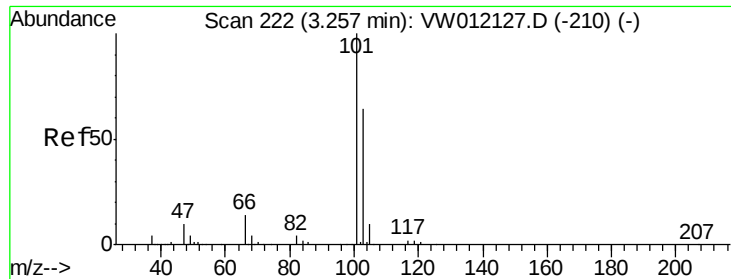
Tgt Ion: 64 Resp: 68210

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8



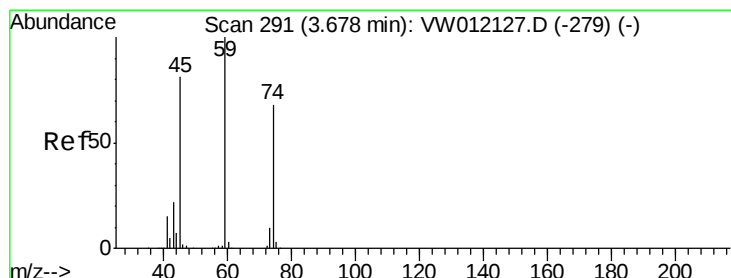
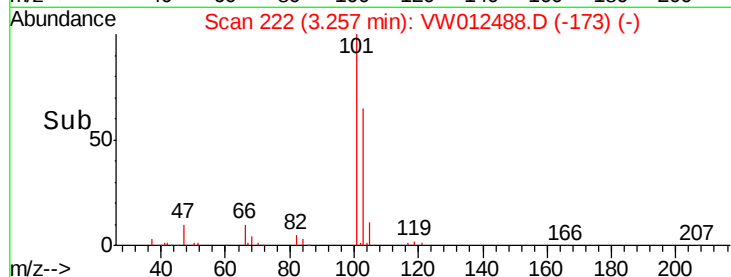
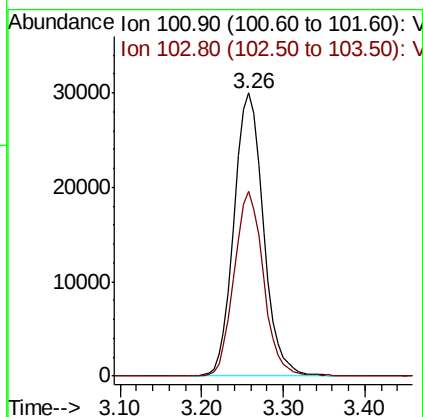
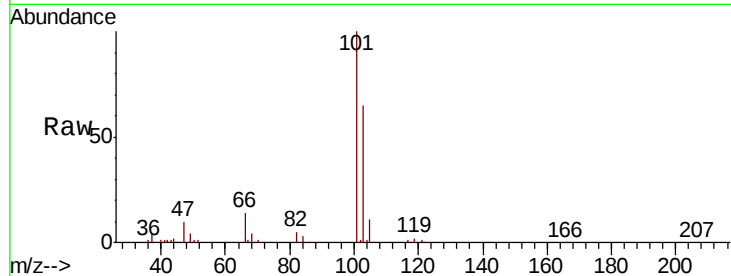


#7

Trichlorofluoromethane
 Concen: 58.607 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
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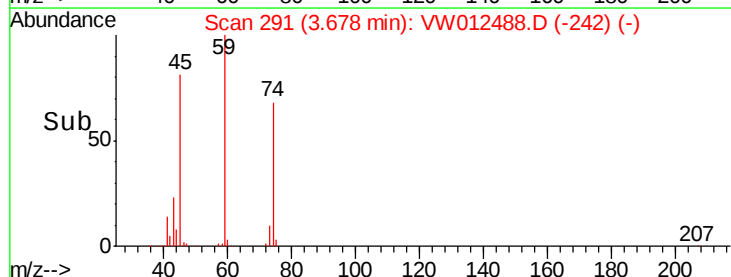
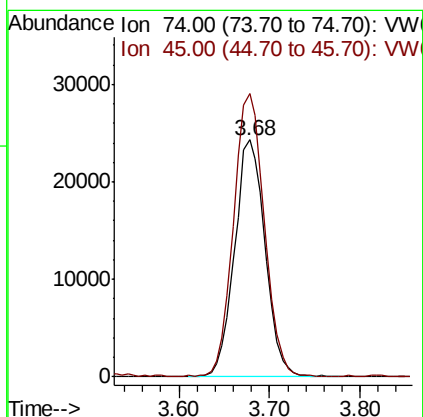
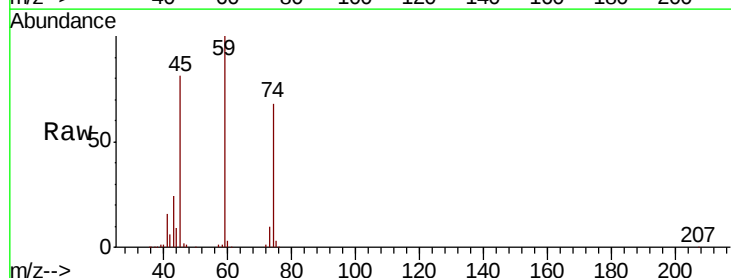
Tgt Ion:101 Resp: 74817
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8

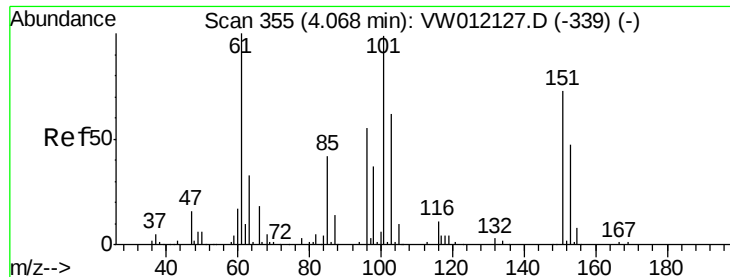


#8

Diethyl Ether
 Concen: 46.860 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 74 Resp: 56782
 Ion Ratio Lower Upper
 74 100
 45 120.9 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.364 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

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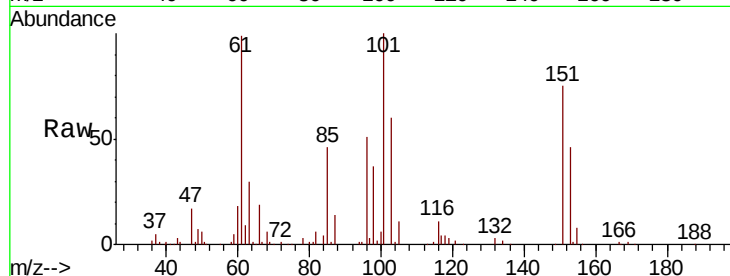
Tgt Ion:101 Resp: 104946

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.6

151 75.1 58.6 87.8

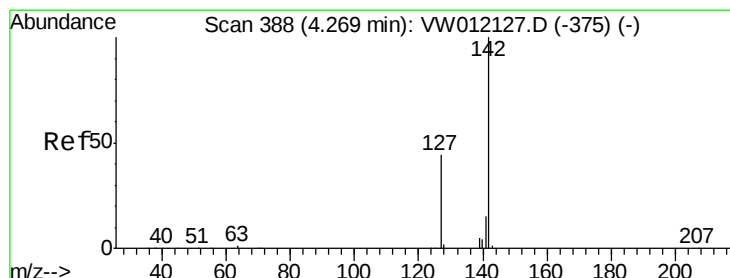
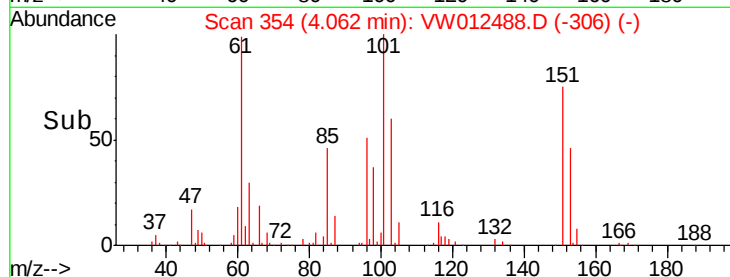
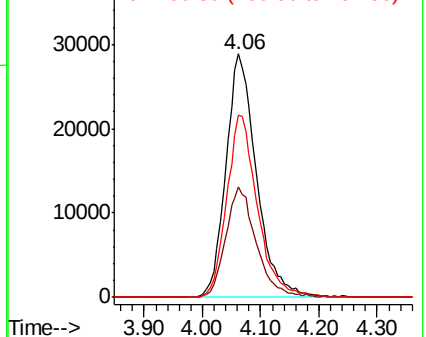


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.189 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

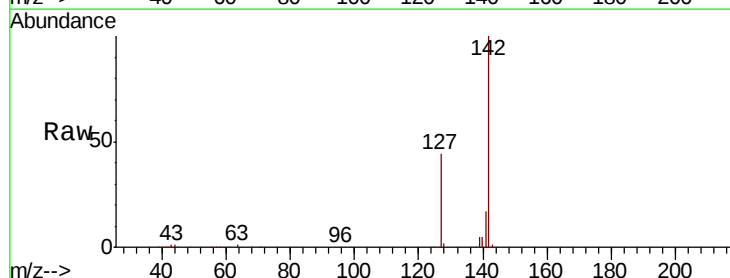
Tgt Ion:142 Resp: 144418

Ion Ratio Lower Upper

142 100

127 45.6 35.5 53.3

141 15.4 11.8 17.8

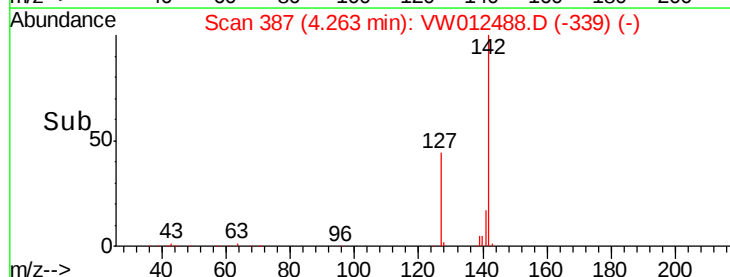
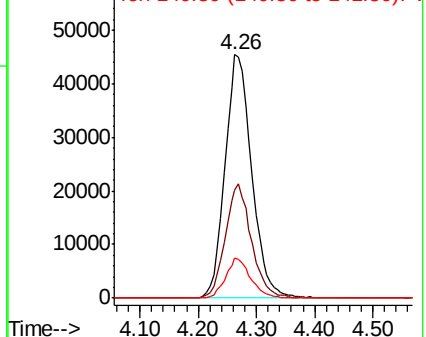


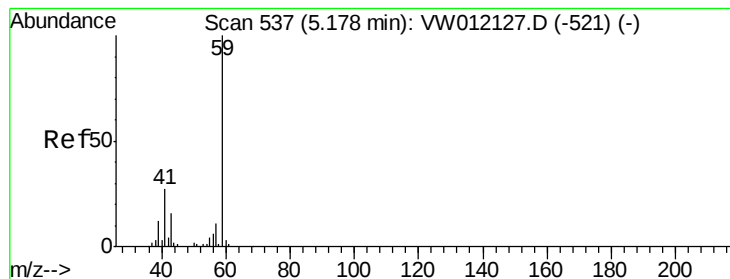
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



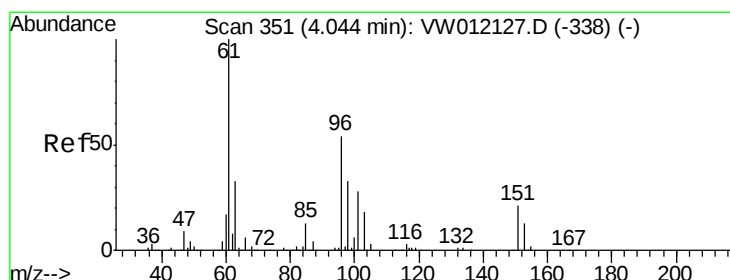
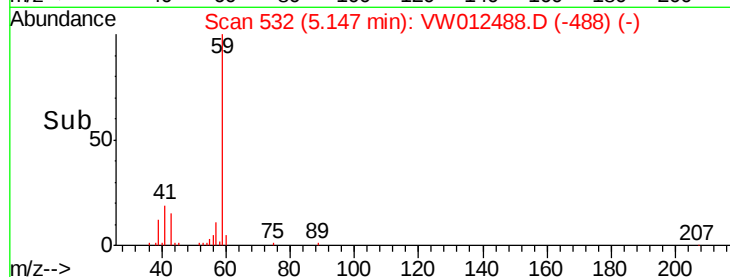
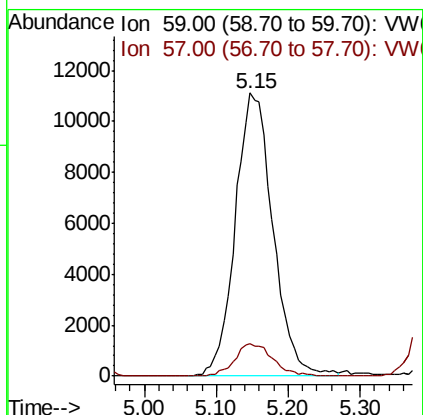
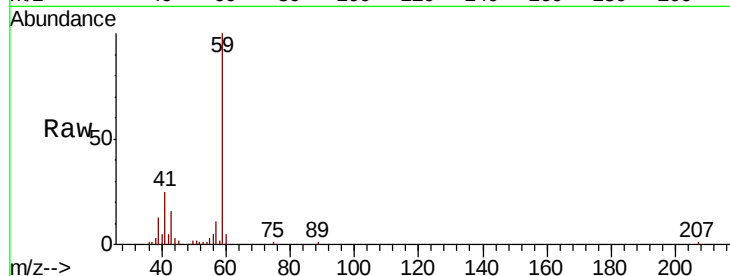


#11

Tert butyl alcohol
 Concen: 259.235 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

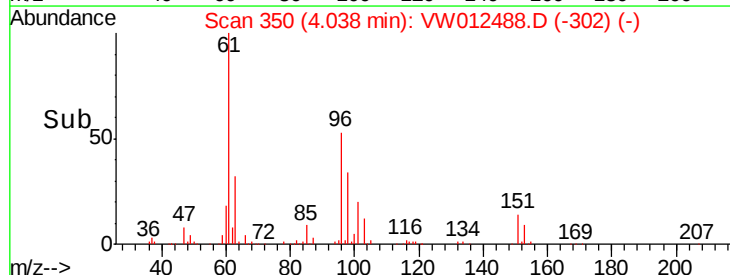
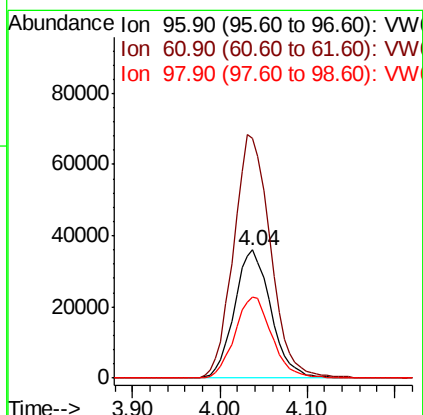
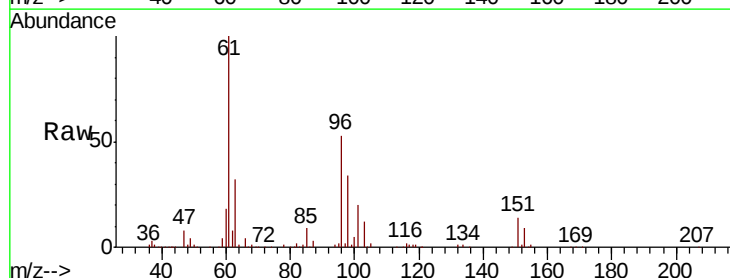
Tgt Ion: 59 Resp: 40381
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.0 13.4

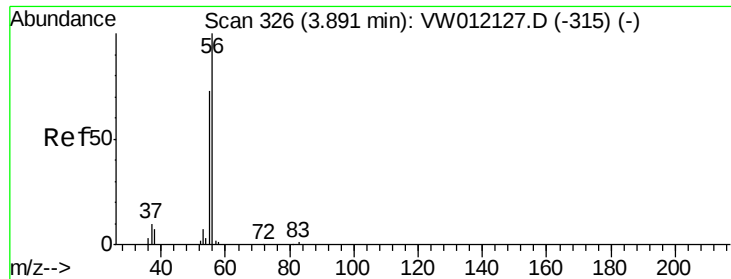


#12

1,1-Dichloroethene
 Concen: 47.926 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 96 Resp: 104674
 Ion Ratio Lower Upper
 96 100
 61 187.0 149.1 223.7
 98 62.7 49.4 74.2





#13

Acrolein

Concen: 74.630 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

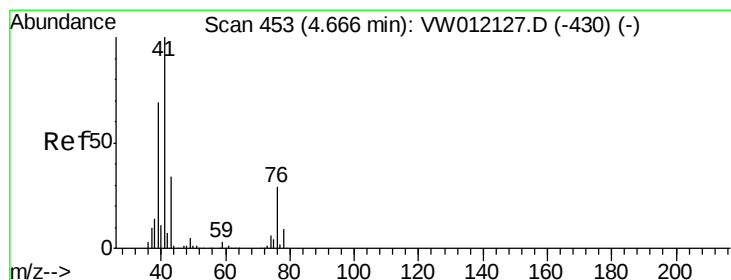
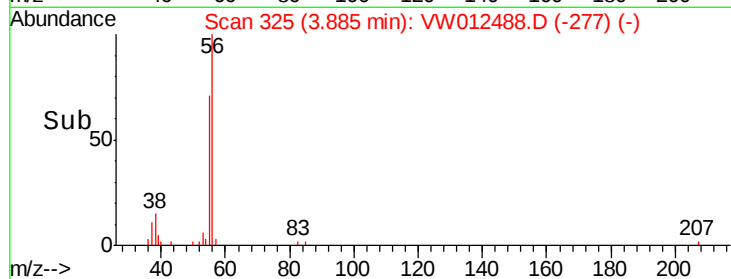
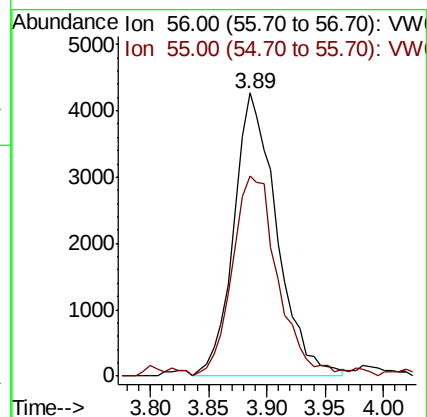
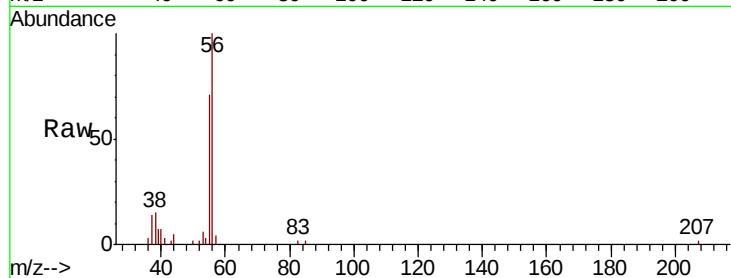
VSTDCCC050

Tgt Ion: 56 Resp: 10943

Ion Ratio Lower Upper

56 100

55 75.1 55.8 83.8



#14

Allyl chloride

Concen: 49.570 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

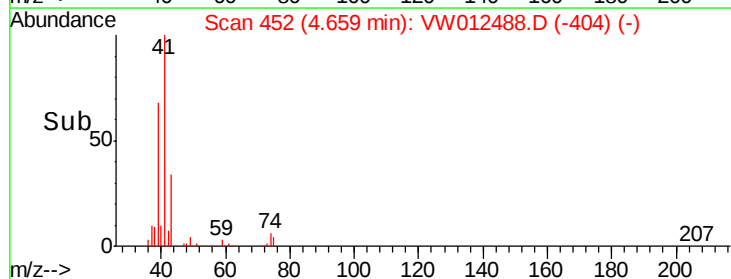
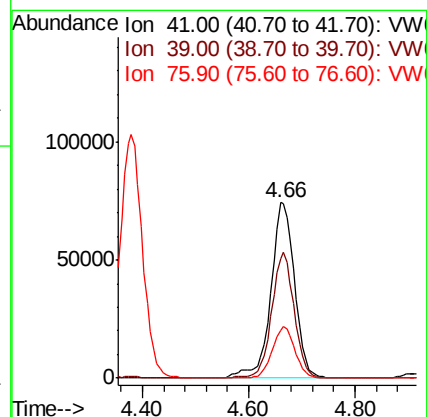
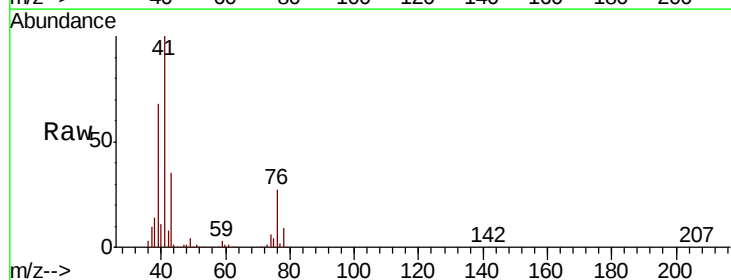
Tgt Ion: 41 Resp: 231451

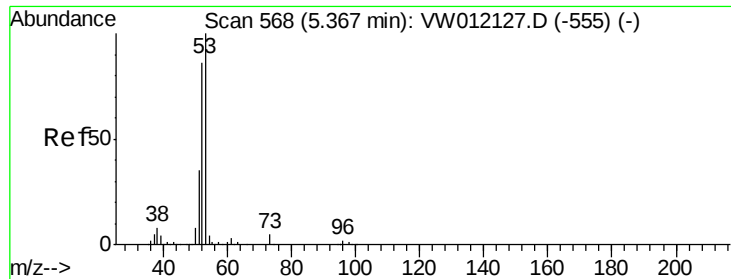
Ion Ratio Lower Upper

41 100

39 67.8 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 239.331 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

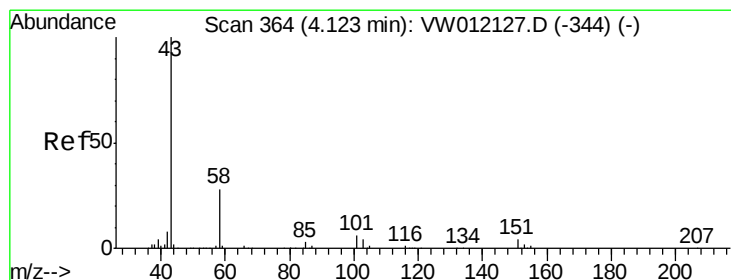
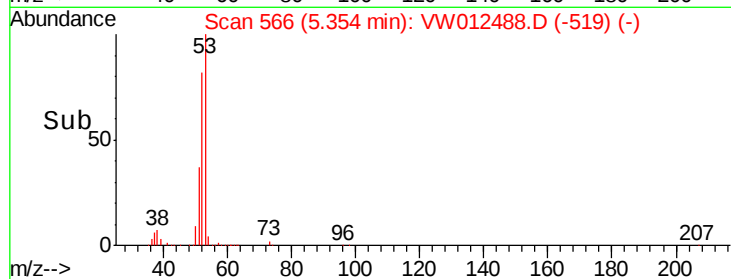
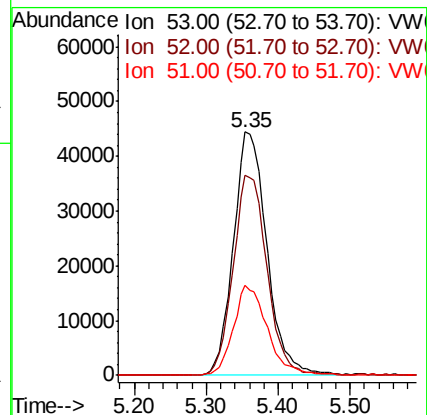
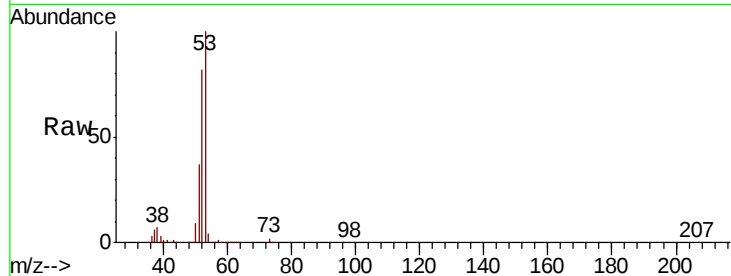
Tgt Ion: 53 Resp: 143744

Ion Ratio Lower Upper

53 100

52 83.2 66.7 100.1

51 37.7 30.1 45.1



#16

Acetone

Concen: 275.893 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012488.D

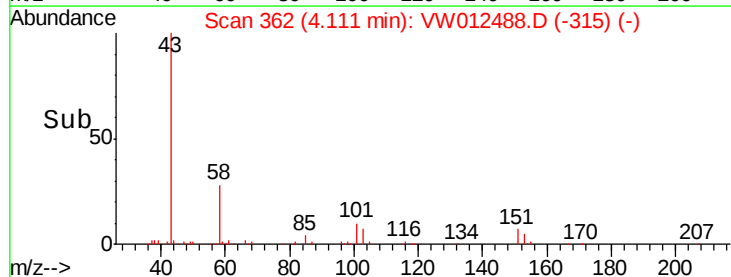
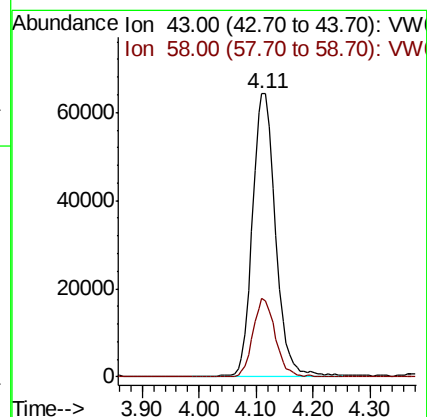
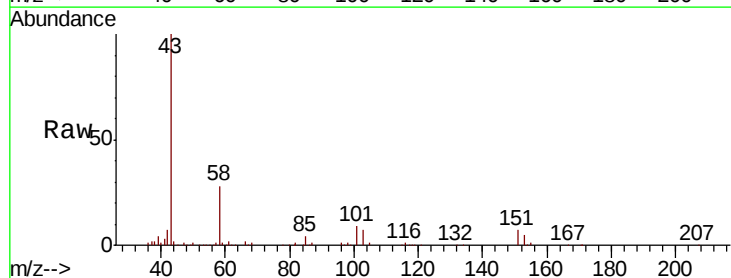
Acq: 02 Sep 2019 10:08

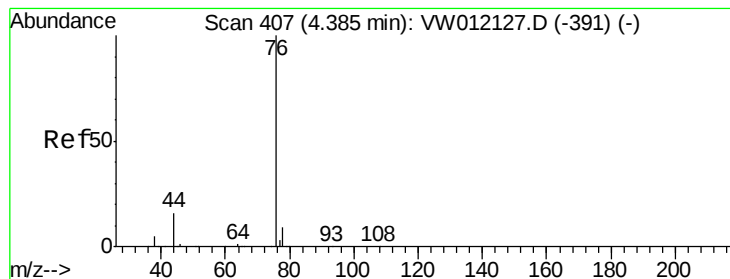
Tgt Ion: 43 Resp: 182546

Ion Ratio Lower Upper

43 100

58 27.6 22.4 33.6





#17

Carbon Disulfide

Concen: 46.024 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

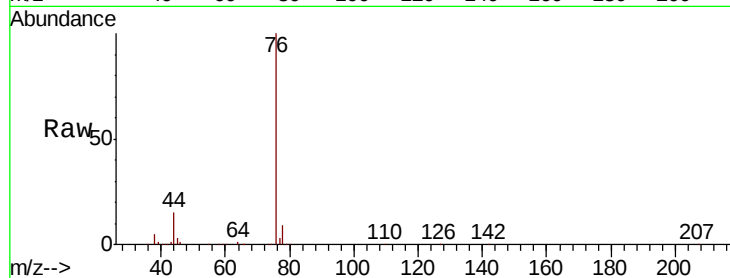
VSTDCCC050

Tgt Ion: 76 Resp: 303790

Ion Ratio Lower Upper

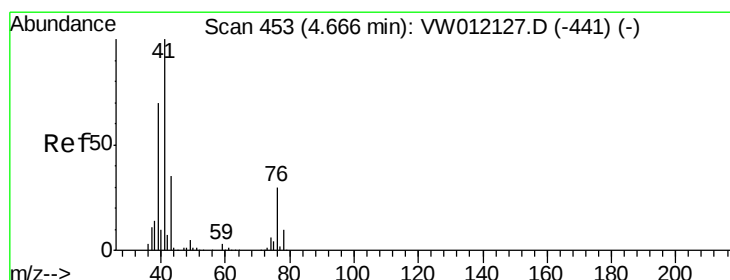
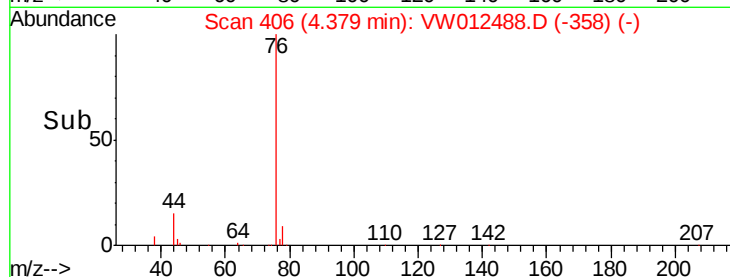
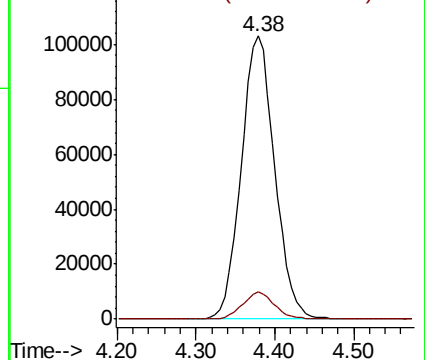
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 47.965 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012488.D

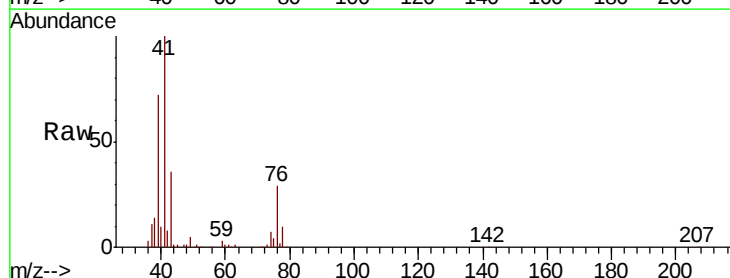
Acq: 02 Sep 2019 10:08

Tgt Ion: 43 Resp: 78605

Ion Ratio Lower Upper

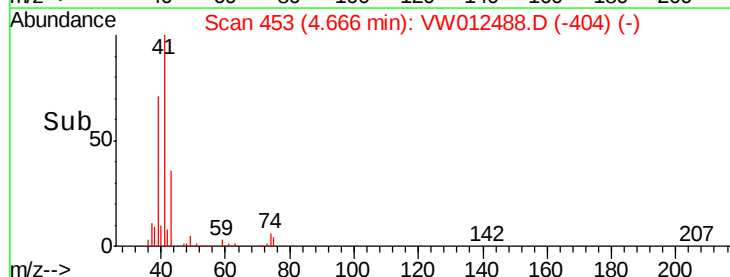
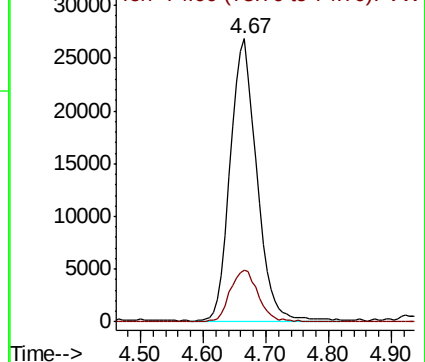
43 100

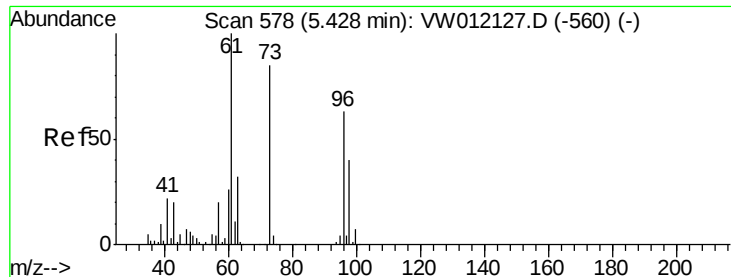
74 19.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

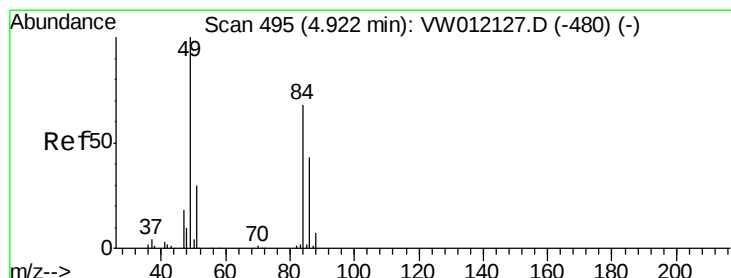
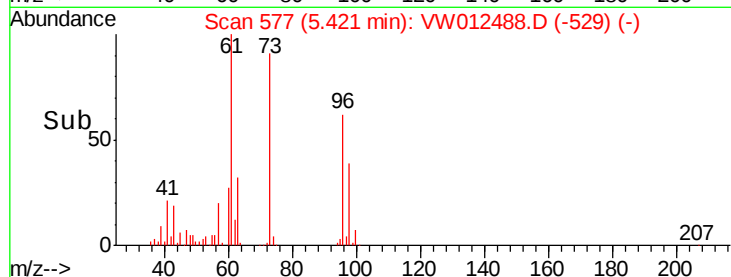
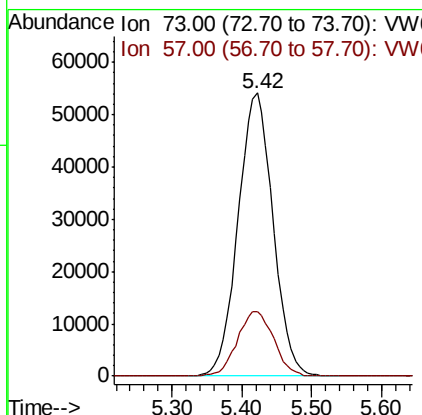
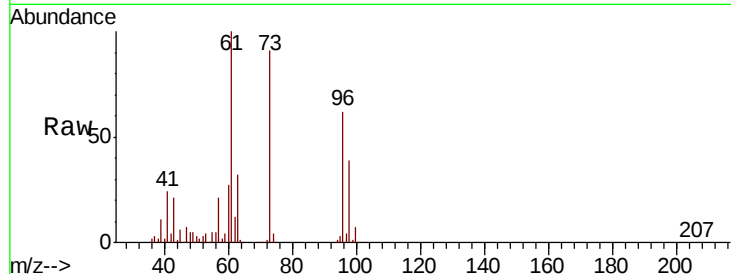




#19
Methyl tert-butyl Ether
Concen: 53.004 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

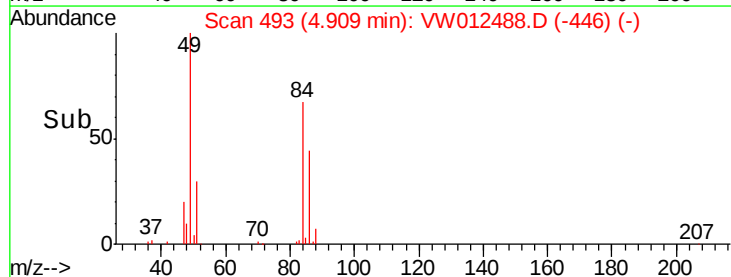
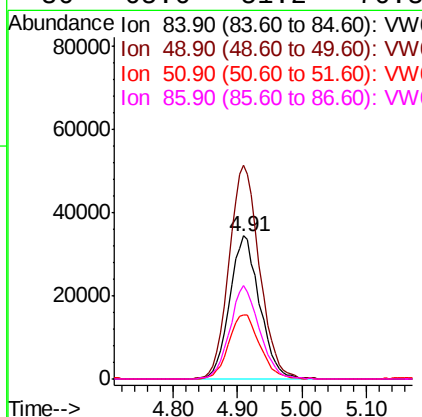
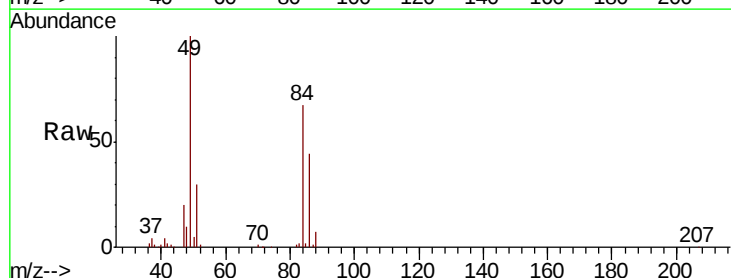
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

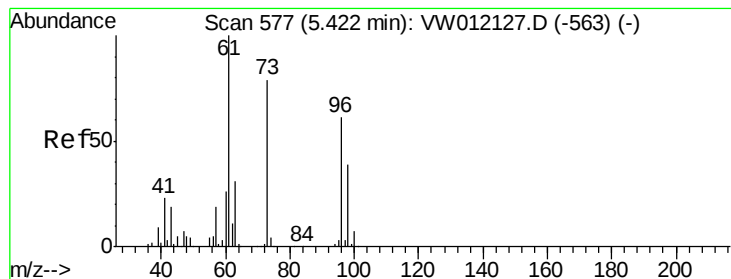
Tgt Ion: 73 Resp: 187207
Ion Ratio Lower Upper
73 100
57 23.0 18.9 28.3



#20
Methylene Chloride
Concen: 44.722 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 84 Resp: 111865
Ion Ratio Lower Upper
84 100
49 149.2 117.8 176.8
51 44.6 35.6 53.4
86 65.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 47.175 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

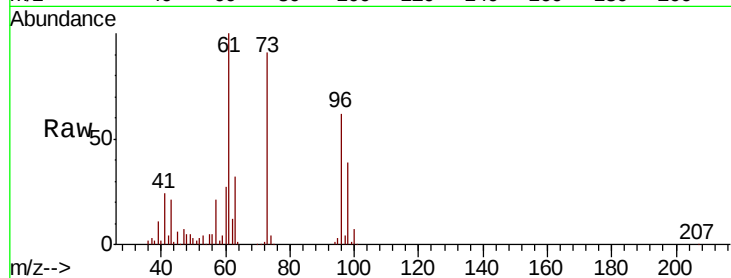
Tgt Ion: 96 Resp: 110486

Ion Ratio Lower Upper

96 100

61 160.8 131.4 197.0

98 62.7 51.4 77.0

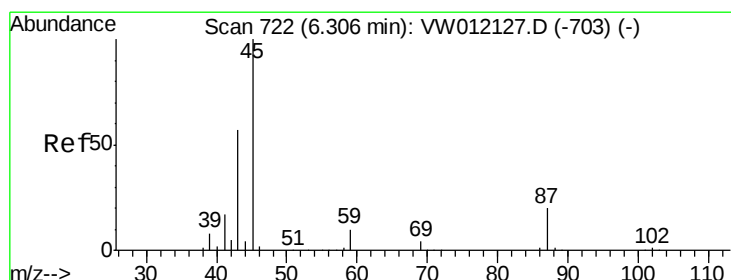
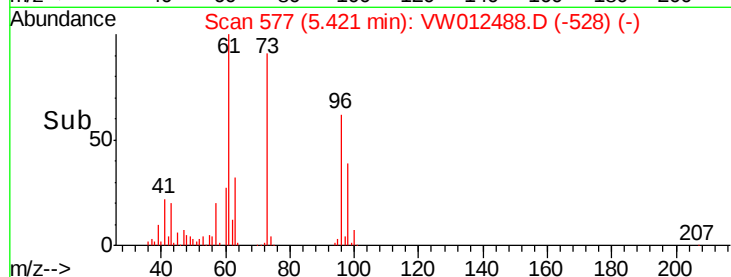
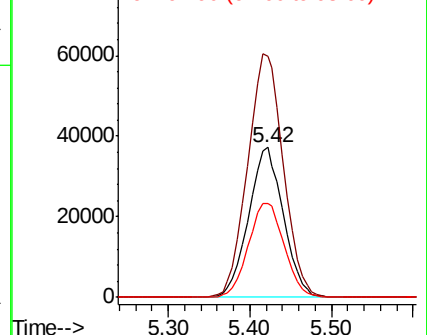


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.253 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion: 45 Resp: 426277

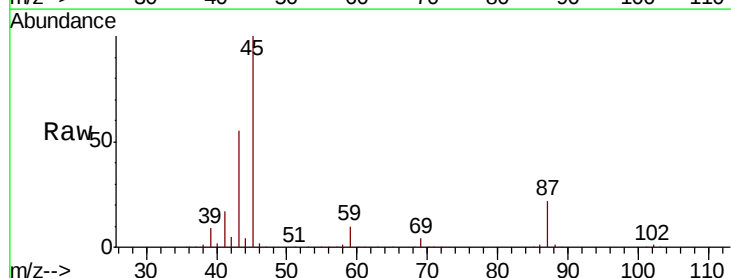
Ion Ratio Lower Upper

45 100

43 55.0 45.5 68.3

87 21.7 16.1 24.1

59 10.3 8.2 12.2



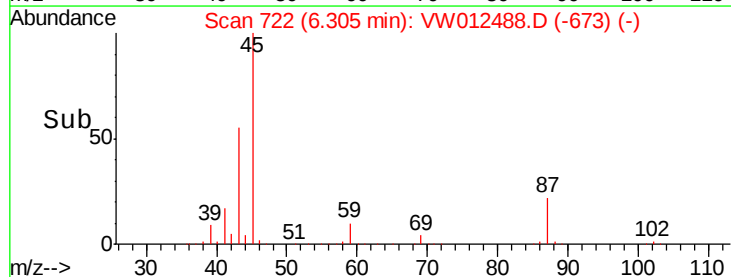
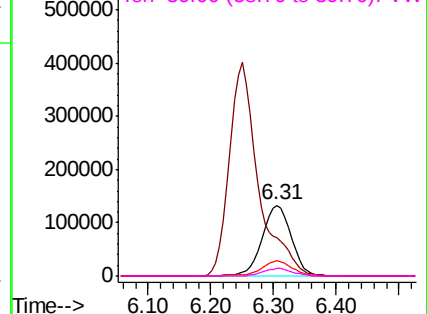
Abundance

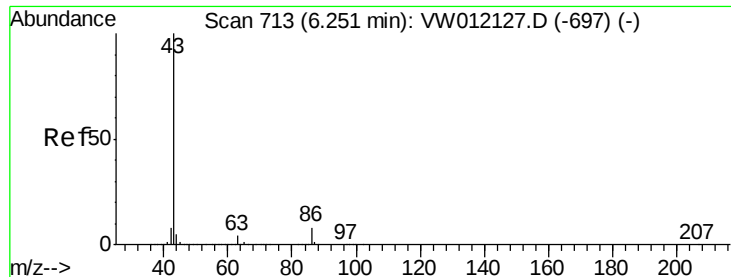
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 243.633 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

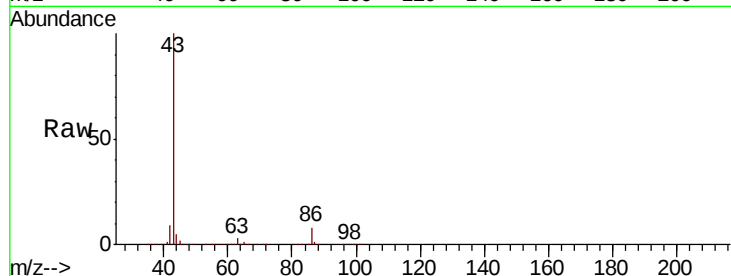
VSTDCCC050

Tgt Ion: 43 Resp: 1297656

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

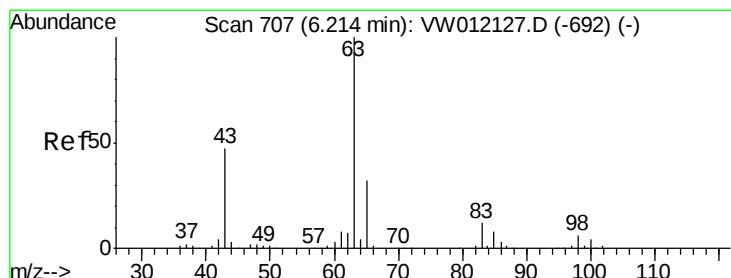
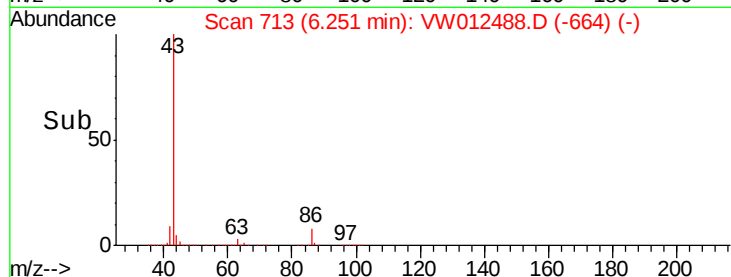
200000

100000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 48.801 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

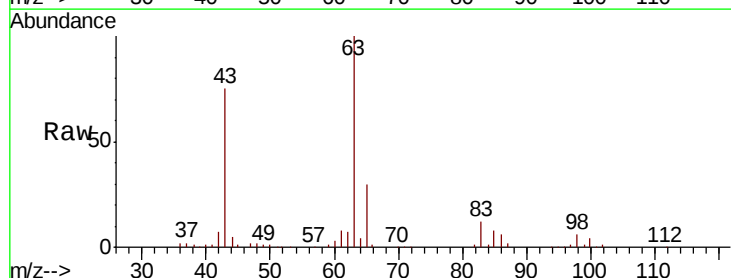
Tgt Ion: 63 Resp: 229971

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.0 2.0 6.0



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

100000

80000

60000

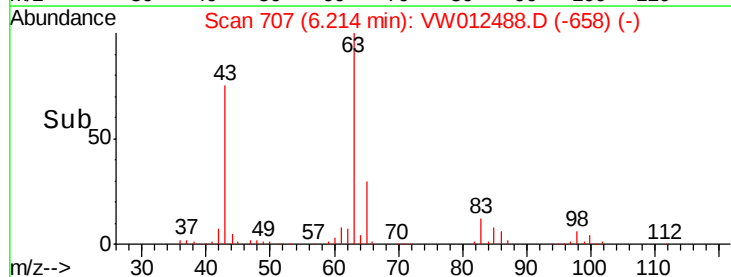
40000

20000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 244.571 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

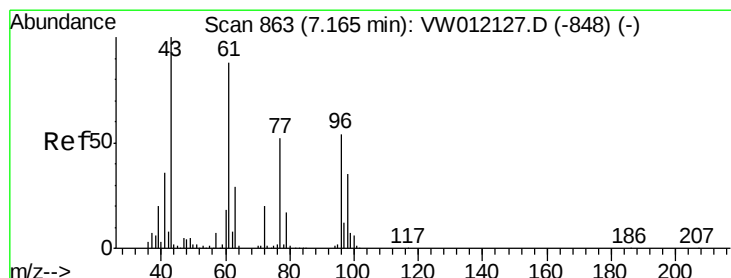
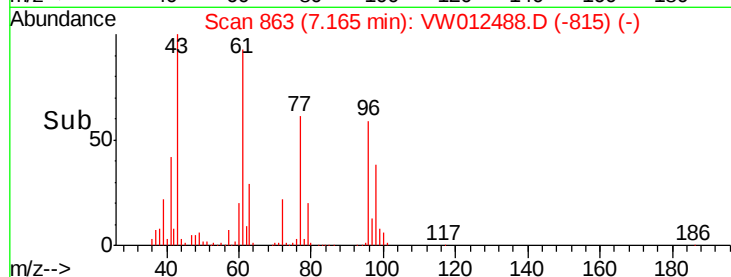
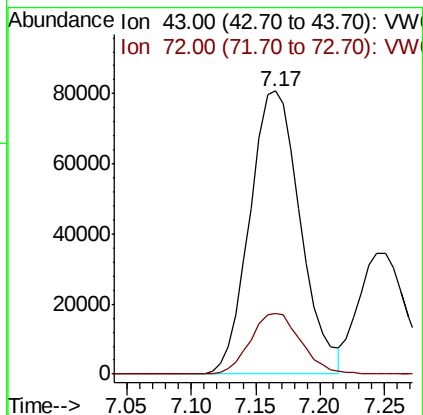
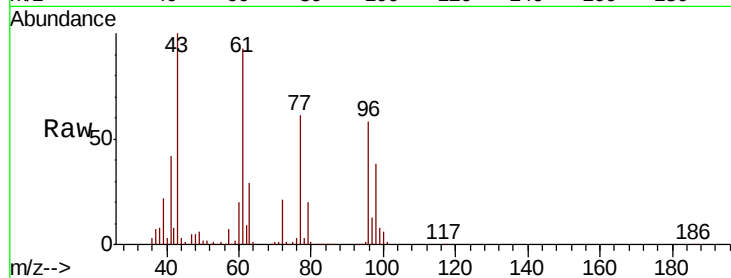
VSTDCCC050

Tgt Ion: 43 Resp: 219897

Ion Ratio Lower Upper

43 100

72 21.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 53.769 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012488.D

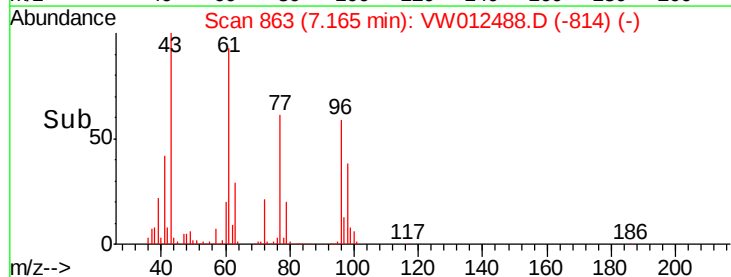
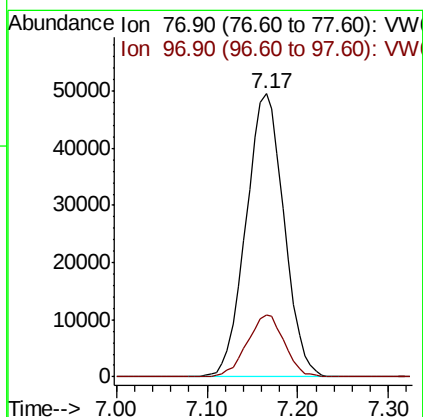
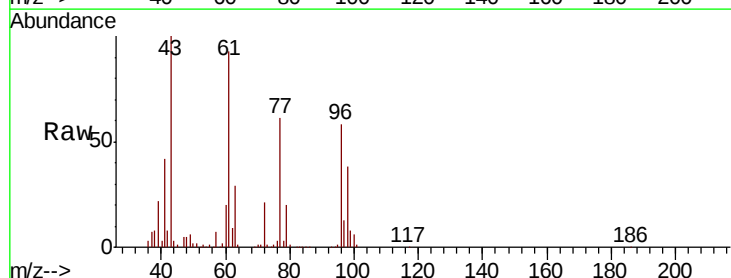
Acq: 02 Sep 2019 10:08

Tgt Ion: 77 Resp: 143415

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1

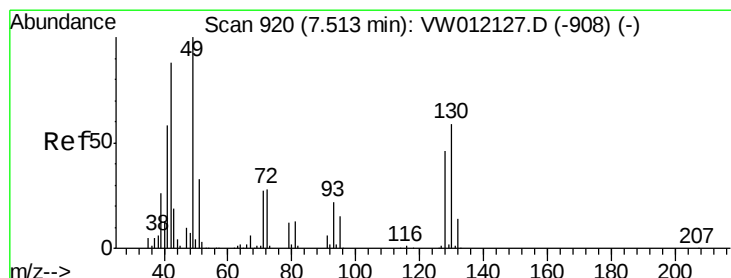
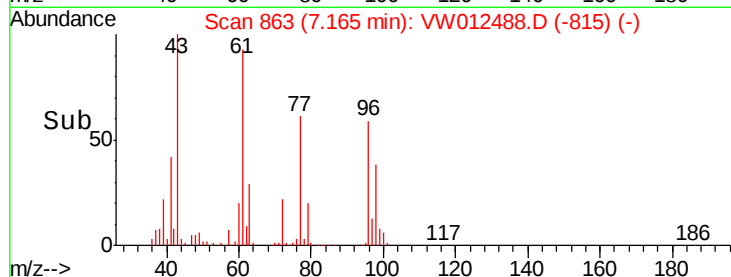
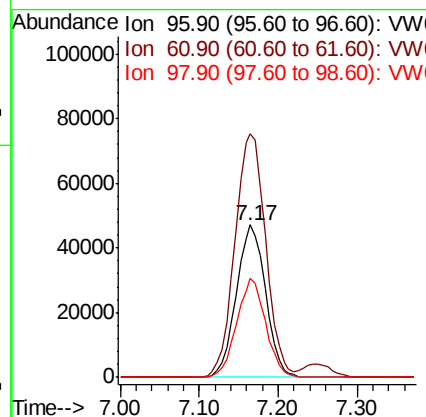
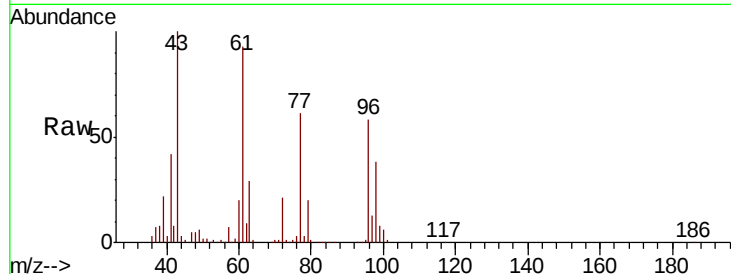




#27
 cis-1,2-Dichloroethene
 Concen: 48.659 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

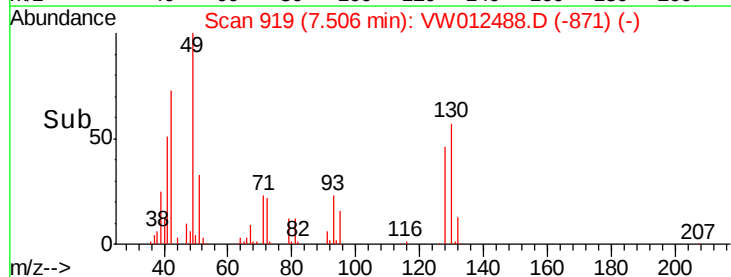
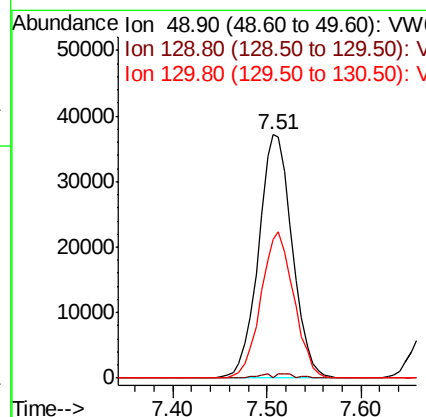
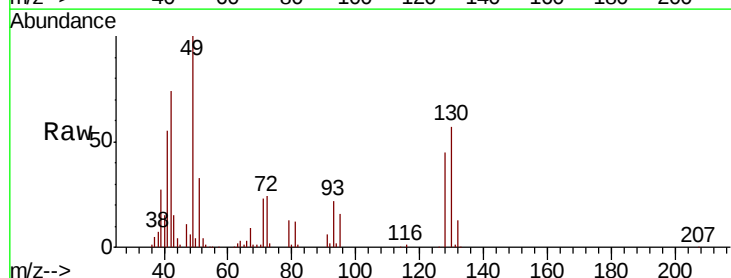
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

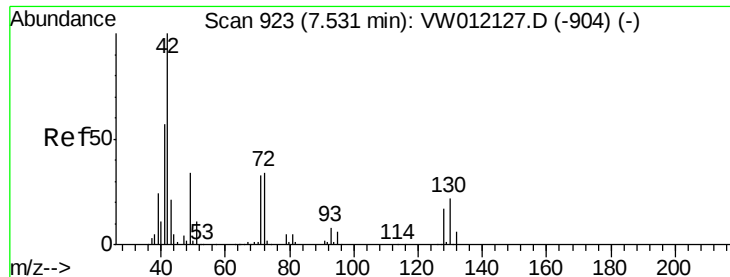
Tgt Ion: 96 Resp: 121758
 Ion Ratio Lower Upper
 96 100
 61 167.5 0.0 326.6
 98 63.9 0.0 127.4



#28
 Bromochloromethane
 Concen: 45.505 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 49 Resp: 93462
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.4
 130 58.7 45.5 68.3





#29

Tetrahydrofuran

Concen: 244.805 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

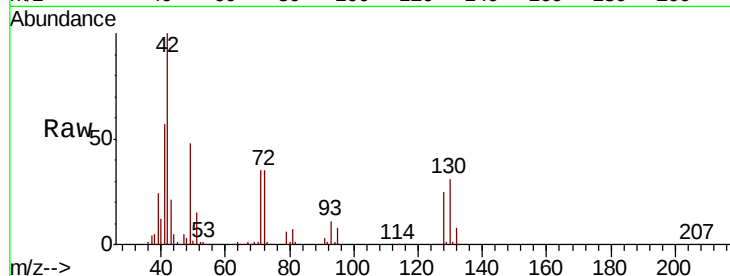
Tgt Ion: 42 Resp: 132055

Ion Ratio Lower Upper

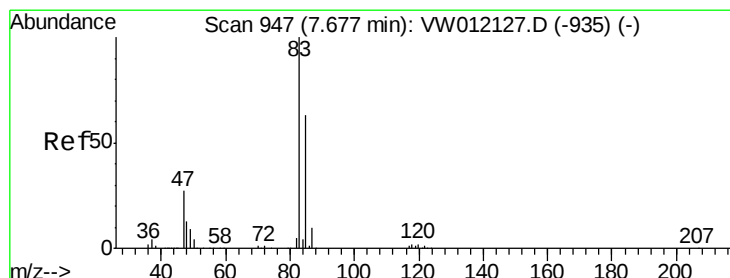
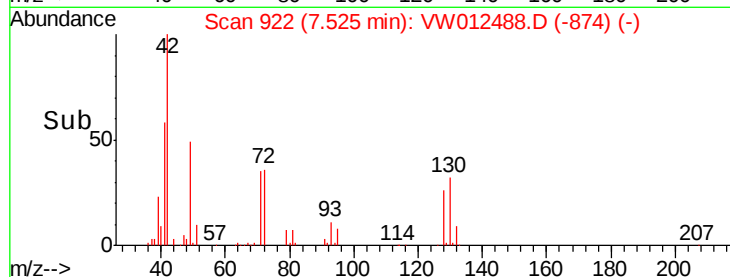
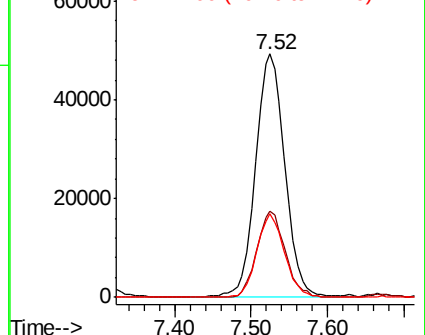
42 100

72 34.4 27.3 40.9

71 32.4 25.5 38.3



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



#30

Chloroform

Concen: 49.776 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012488.D

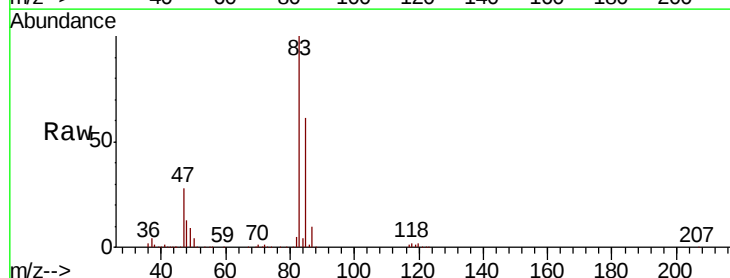
Acq: 02 Sep 2019 10:08

Tgt Ion: 83 Resp: 214603

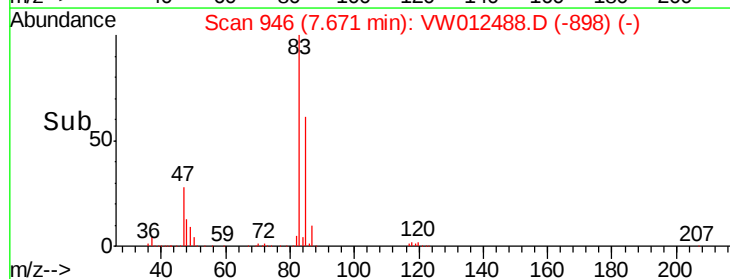
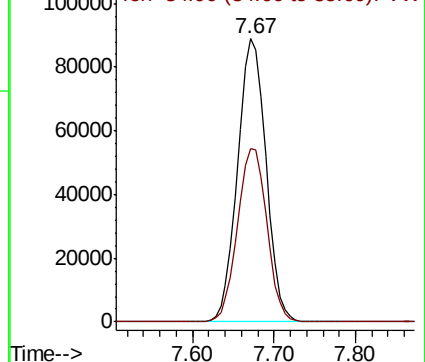
Ion Ratio Lower Upper

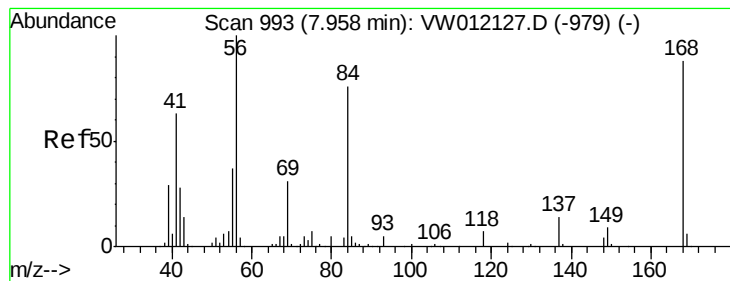
83 100

85 61.1 50.6 76.0



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





#31

Cyclohexane

Concen: 44.409 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

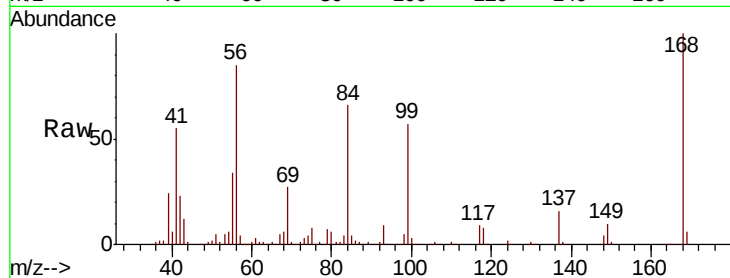
Tgt Ion: 56 Resp: 207045

Ion Ratio Lower Upper

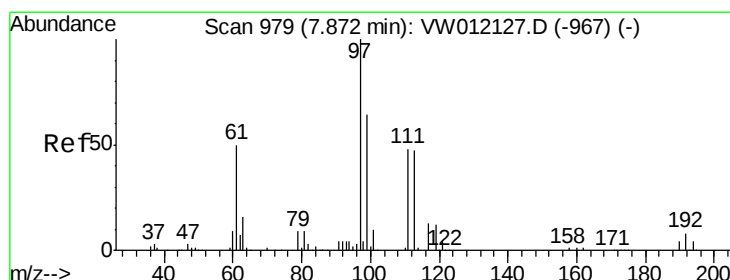
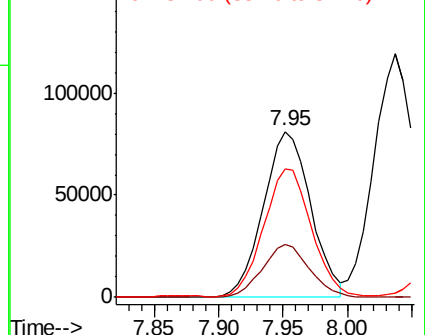
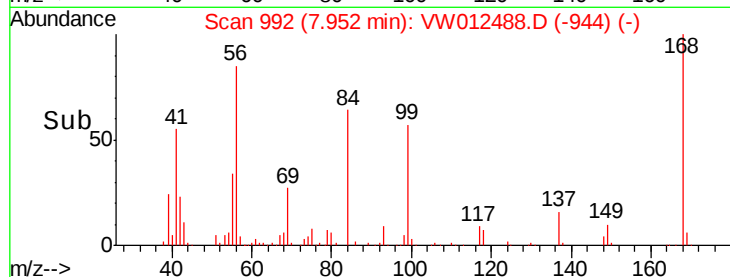
56 100

69 32.0 24.9 37.3

84 76.5 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 52.021 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

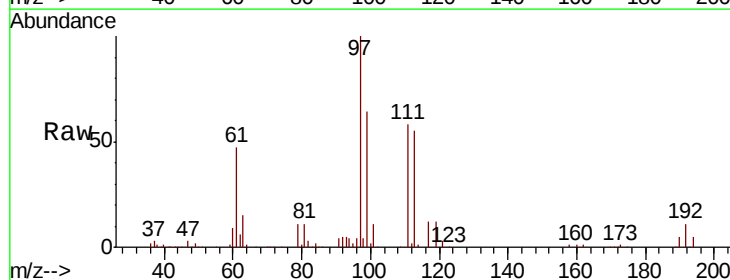
Tgt Ion: 97 Resp: 177423

Ion Ratio Lower Upper

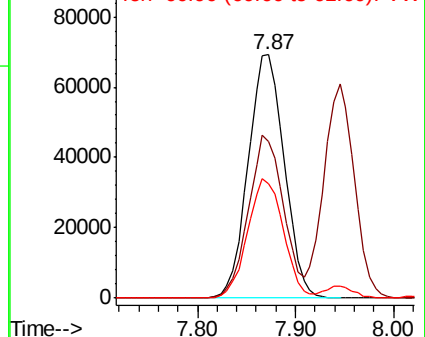
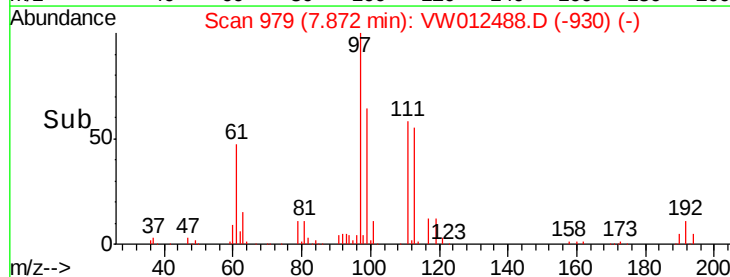
97 100

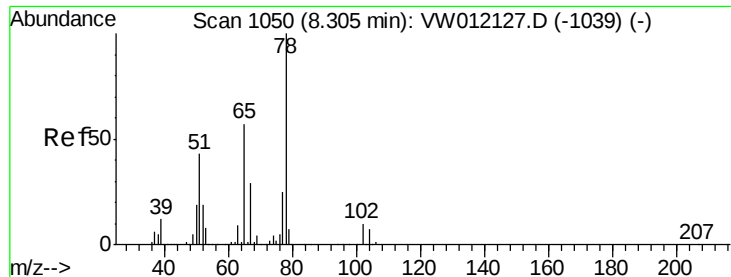
99 65.2 51.4 77.0

61 48.8 39.5 59.3



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

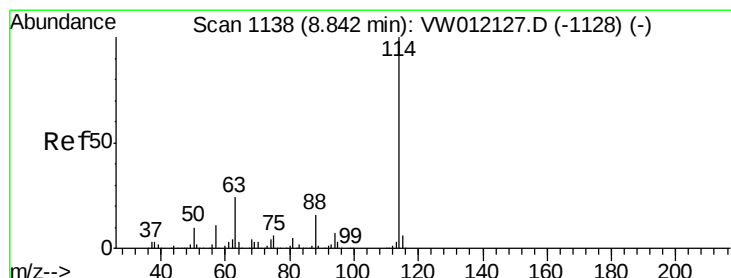
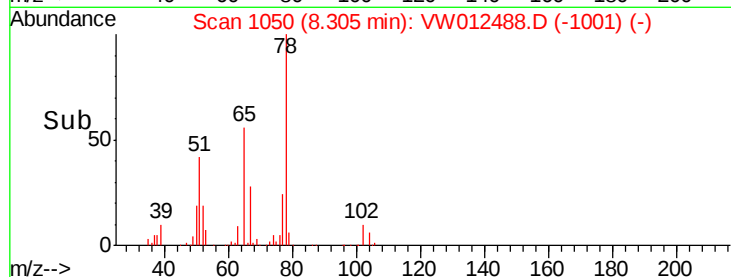
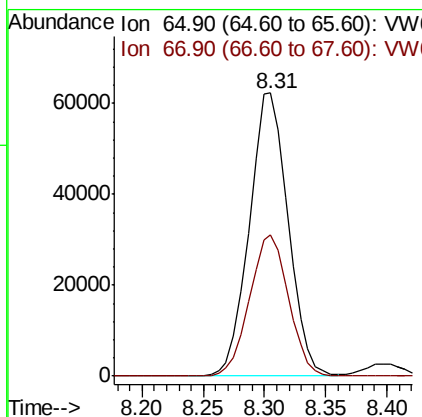
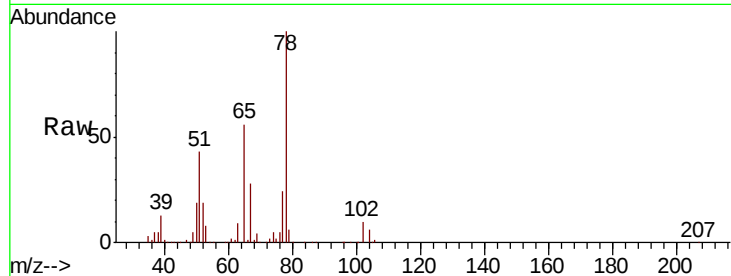




#33
 1,2-Dichloroethane-d4
 Concen: 53.149 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

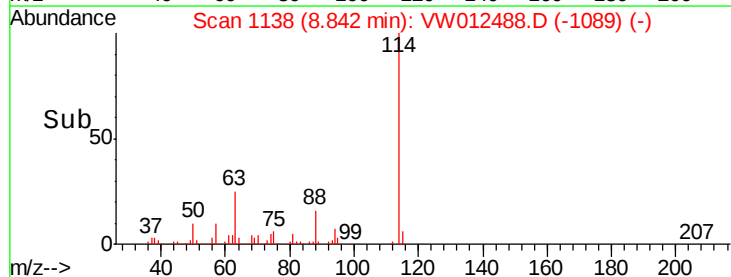
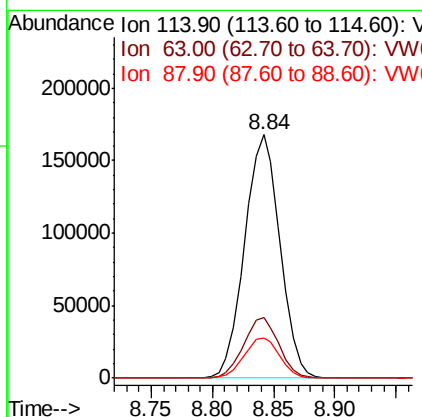
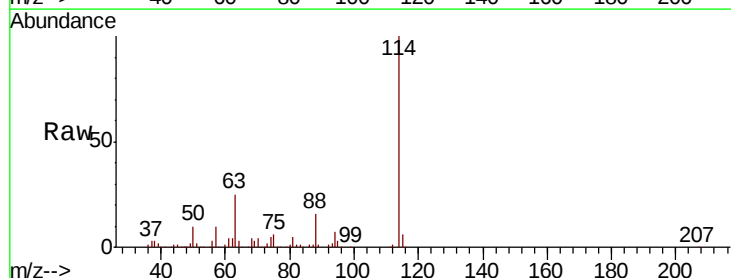
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 137571
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 114 Resp: 337055
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.435 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

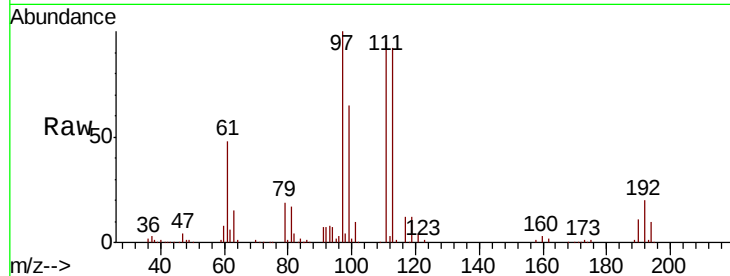
Tgt Ion:113 Resp: 109517

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

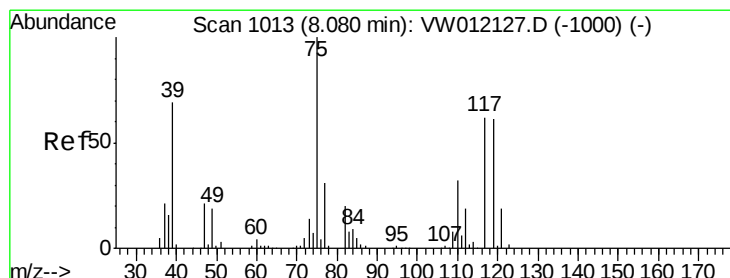
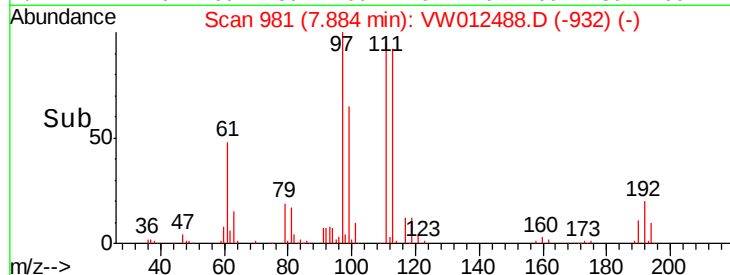
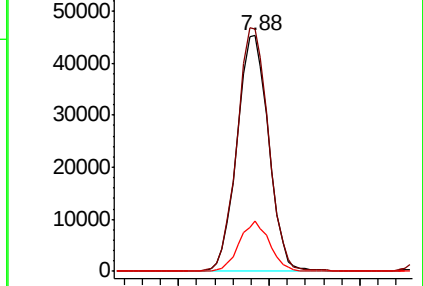
192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.154 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

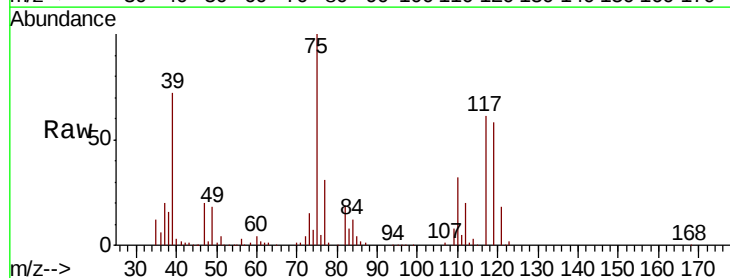
Tgt Ion: 75 Resp: 174691

Ion Ratio Lower Upper

75 100

110 31.4 15.6 46.8

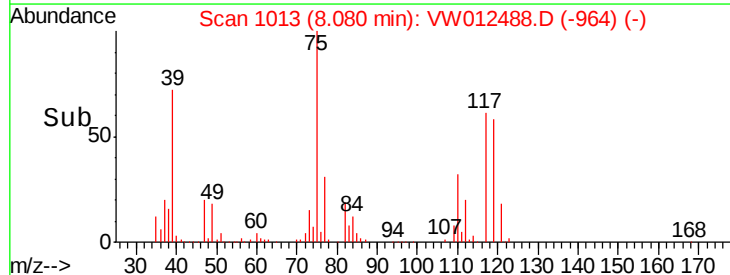
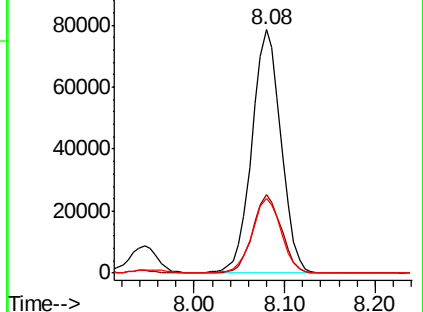
77 30.9 24.6 36.8

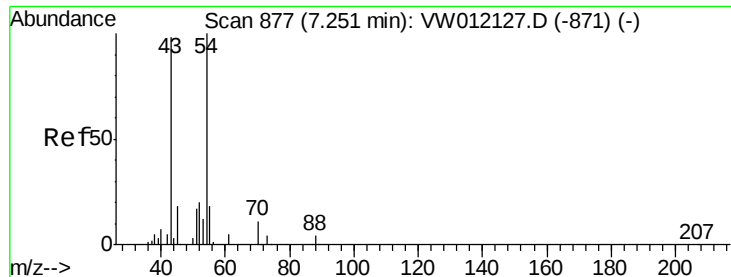


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

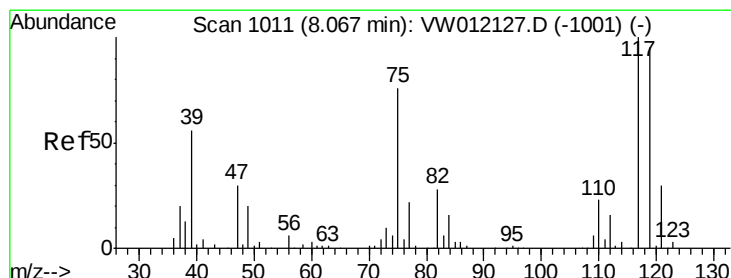
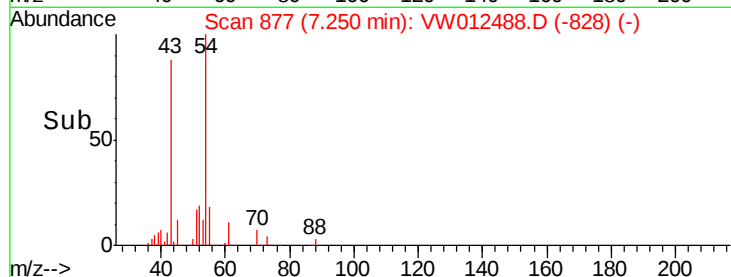
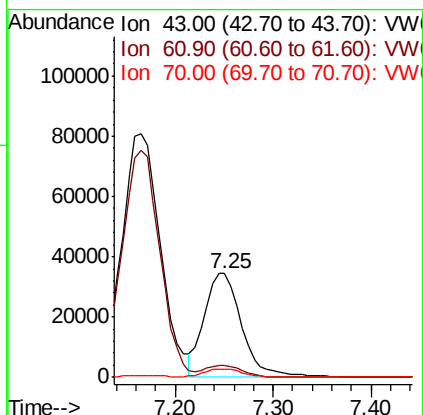
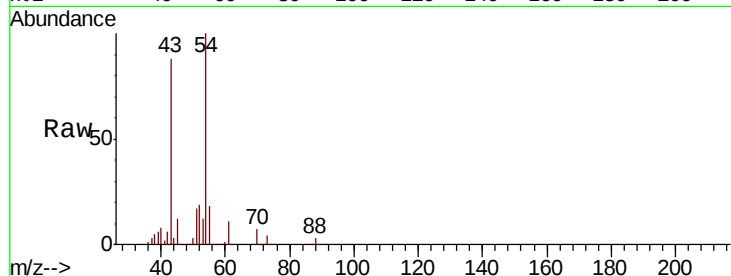




#37
Ethyl Acetate
Concen: 47.587 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

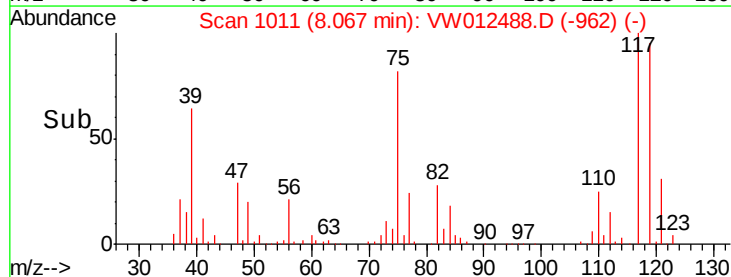
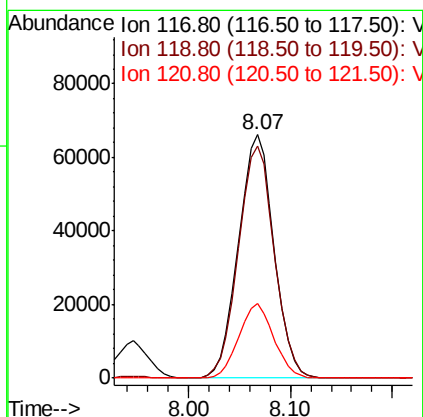
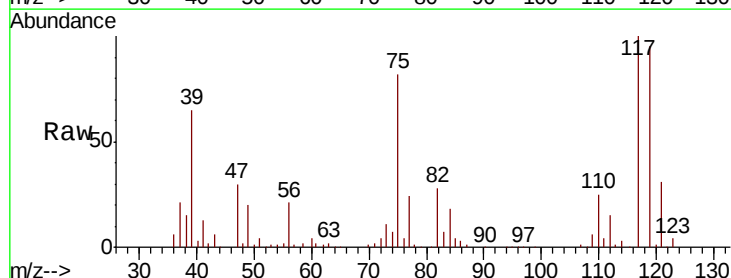
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

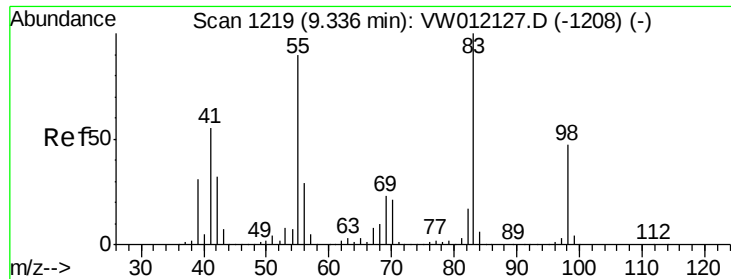
Tgt Ion: 43 Resp: 90828
Ion Ratio Lower Upper
43 100
61 11.6 9.2 13.8
70 8.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.942 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 117 Resp: 159602
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.2
121 30.6 23.8 35.8

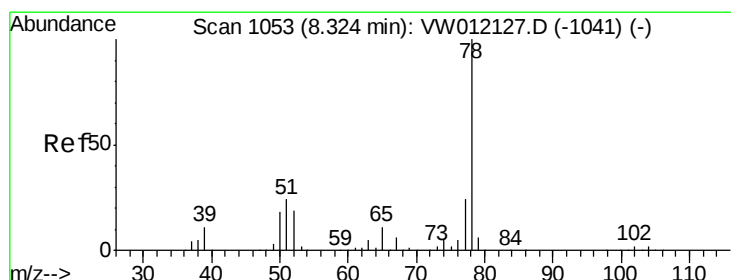
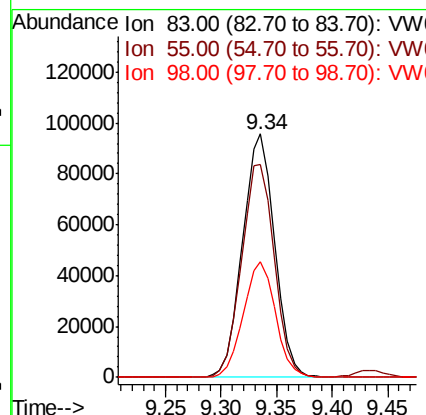
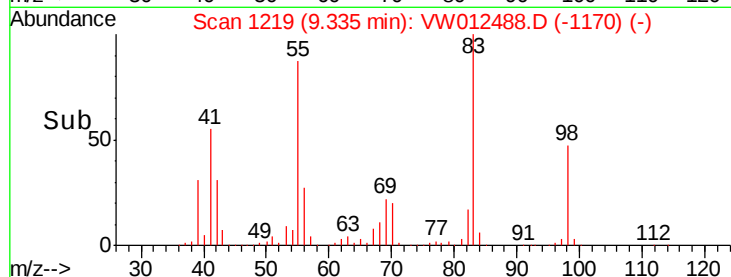
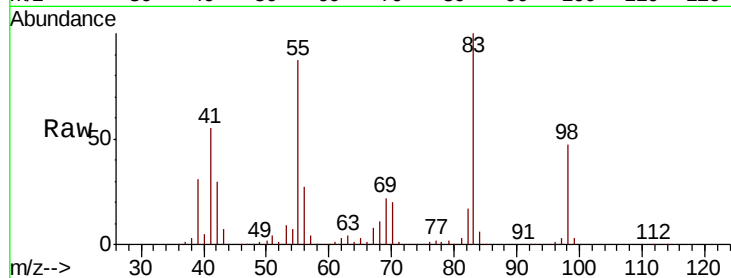




#39
Methylcyclohexane
Concen: 48.930 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

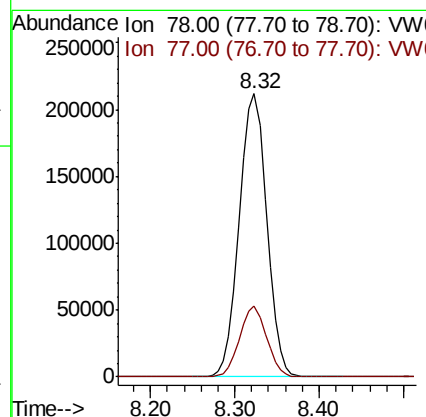
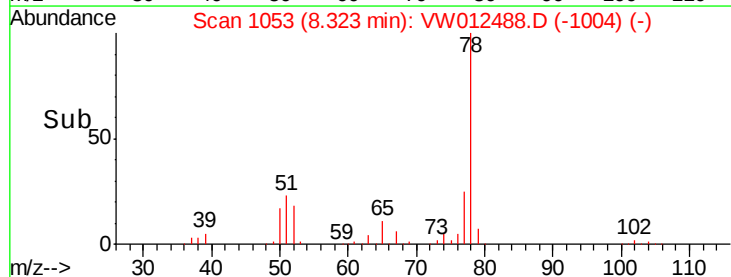
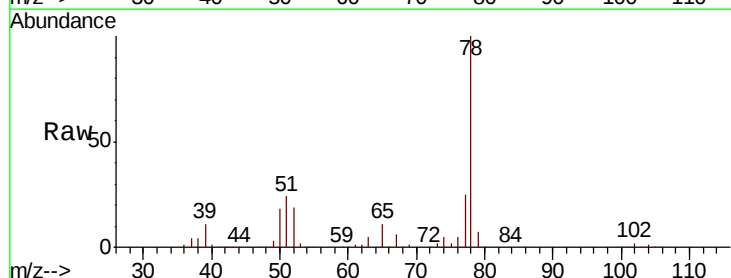
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

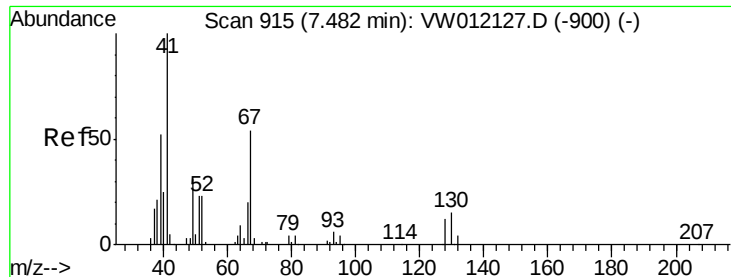
Tgt Ion: 83 Resp: 191460
Ion Ratio Lower Upper
83 100
55 87.3 71.8 107.8
98 47.3 37.8 56.8



#40
Benzene
Concen: 49.229 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 78 Resp: 468203
Ion Ratio Lower Upper
78 100
77 24.9 19.5 29.3





#41

Methacrylonitrile

Concen: 52.482 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 58874

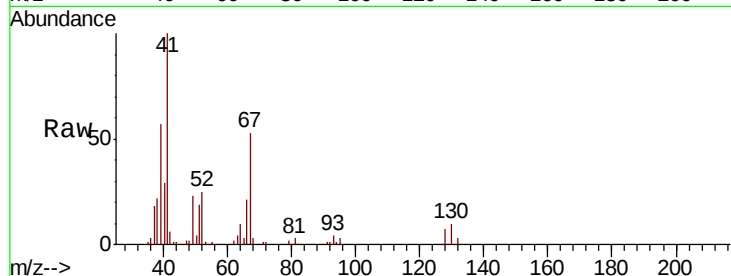
Ion Ratio Lower Upper

41 100

39 54.1 45.8 68.8

67 54.5 46.2 69.4

52 25.3 21.0 31.6

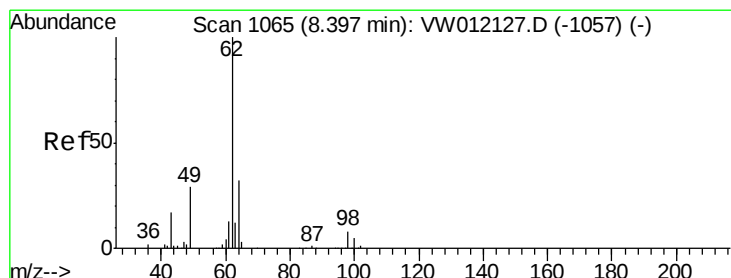
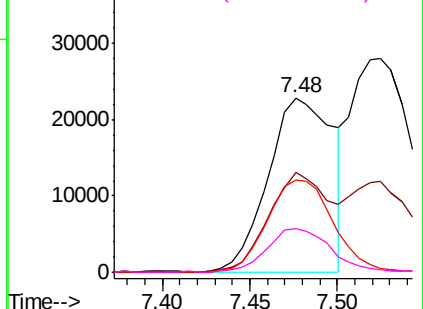
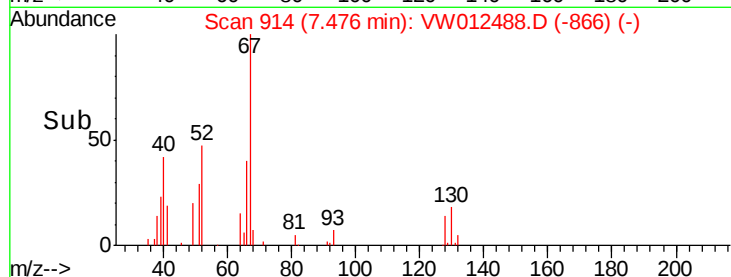


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.105 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012488.D

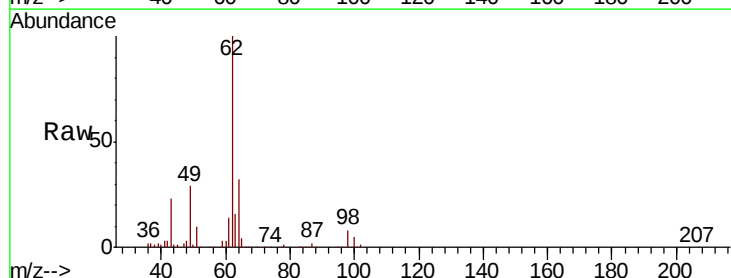
Acq: 02 Sep 2019 10:08

Tgt Ion: 62 Resp: 152331

Ion Ratio Lower Upper

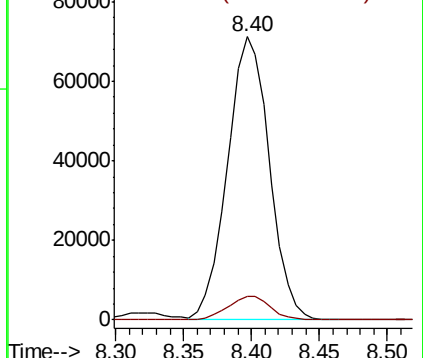
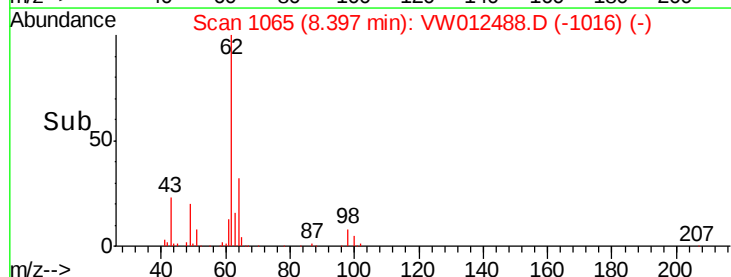
62 100

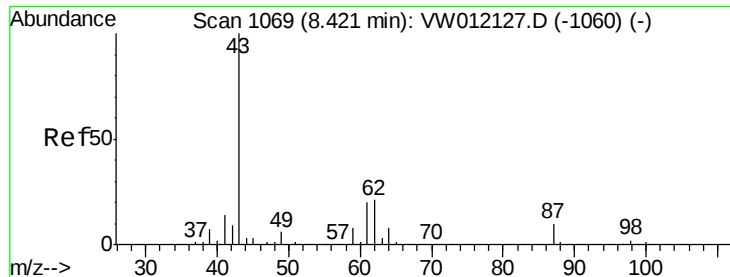
98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.080 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

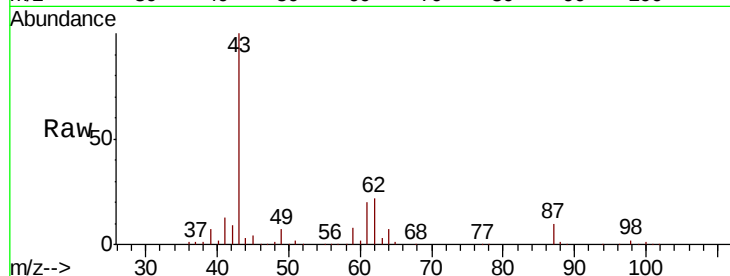
Tgt Ion: 43 Resp: 173520

Ion Ratio Lower Upper

43 100

61 26.7 21.1 31.7

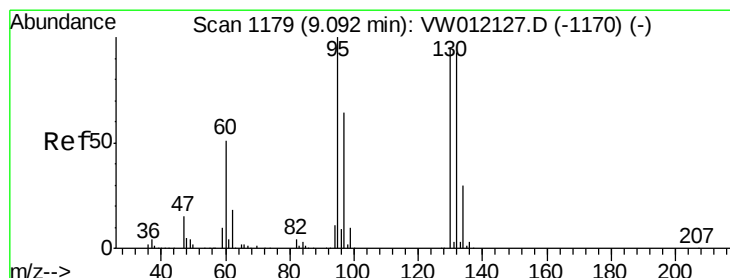
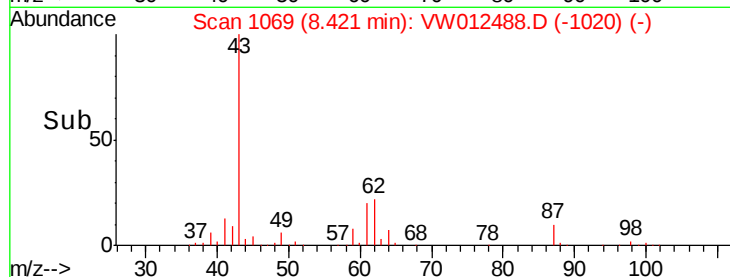
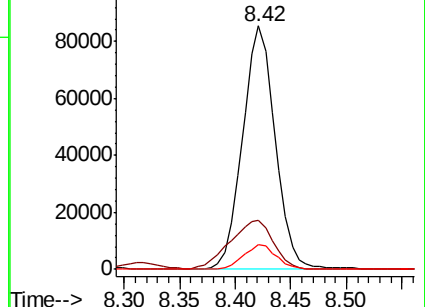
87 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.190 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012488.D

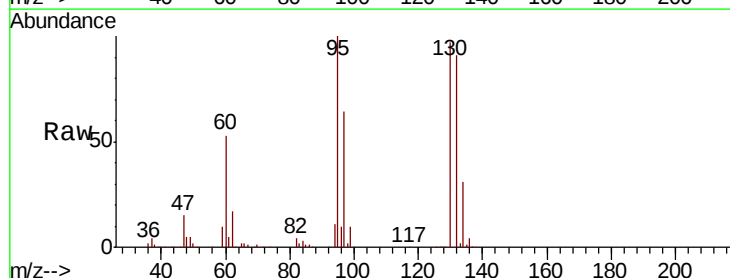
Acq: 02 Sep 2019 10:08

Tgt Ion: 130 Resp: 116040

Ion Ratio Lower Upper

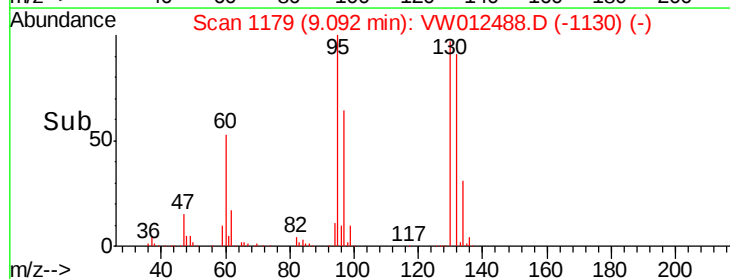
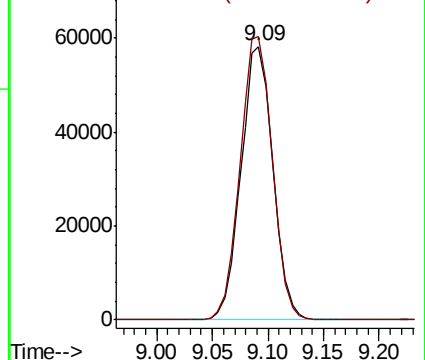
130 100

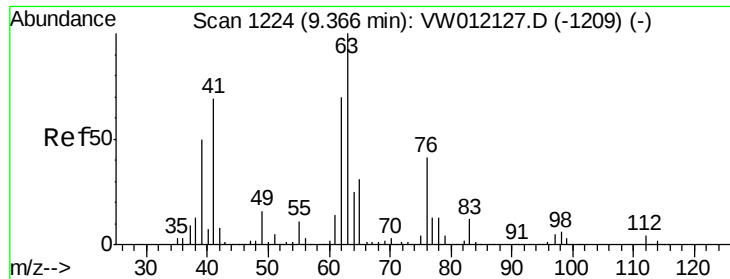
95 103.5 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

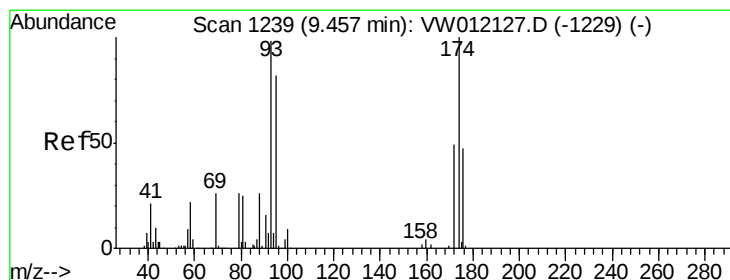
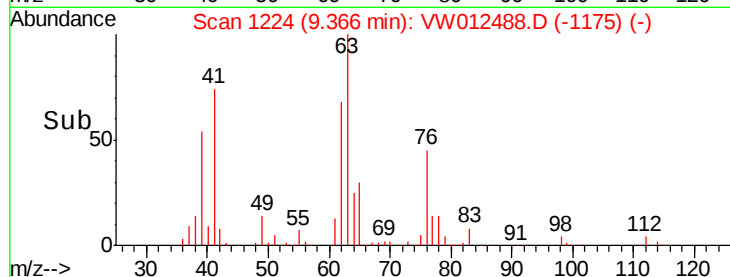
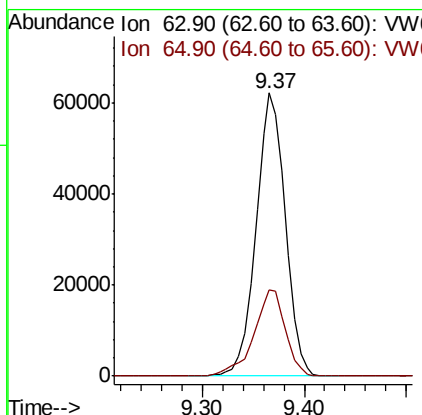
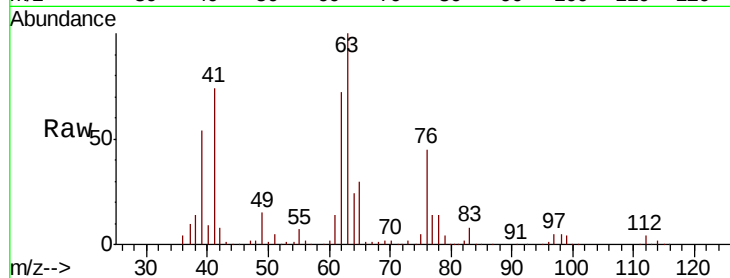




#45
 1,2-Dichloropropane
 Concen: 48.423 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

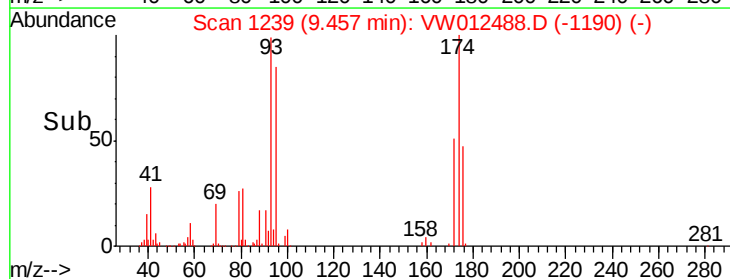
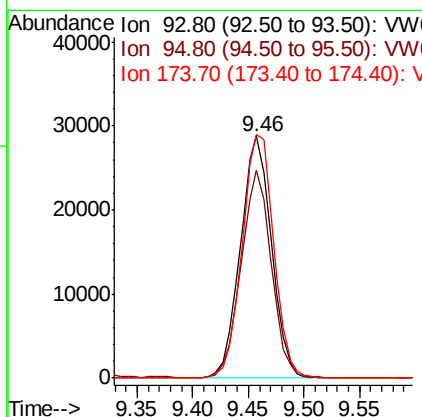
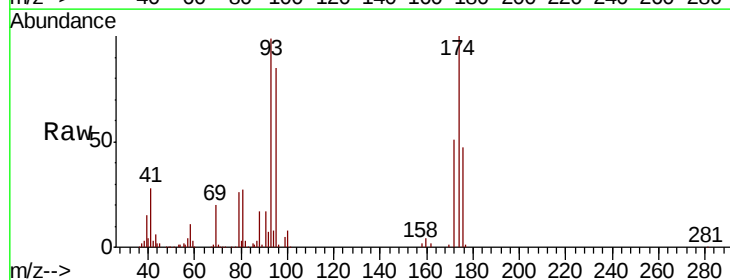
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 123945
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4



#46
 Dibromomethane
 Concen: 48.990 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 93 Resp: 55793
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 102.4 79.0 118.6





#47

Bromodichloromethane

Concen: 51.342 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

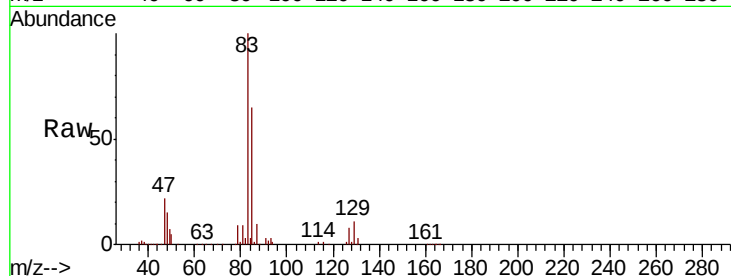
Tgt Ion: 83 Resp: 155618

Ion Ratio Lower Upper

83 100

85 65.4 49.4 74.2

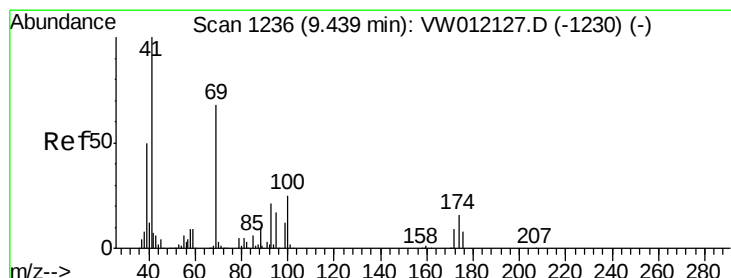
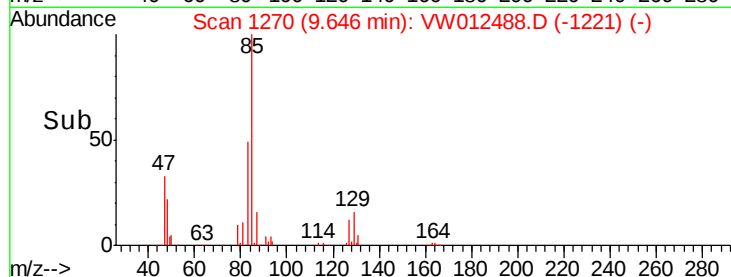
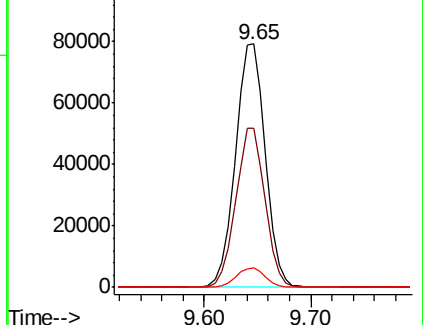
127 8.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.240 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

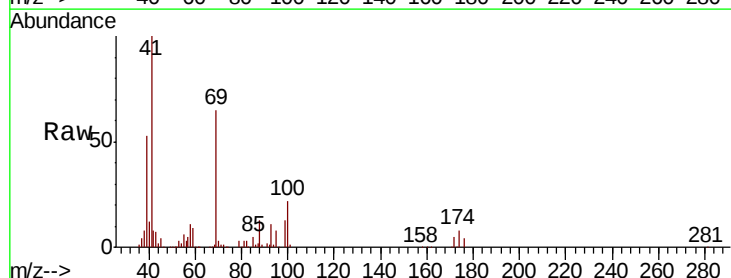
Tgt Ion: 41 Resp: 82857

Ion Ratio Lower Upper

41 100

69 72.0 56.7 85.1

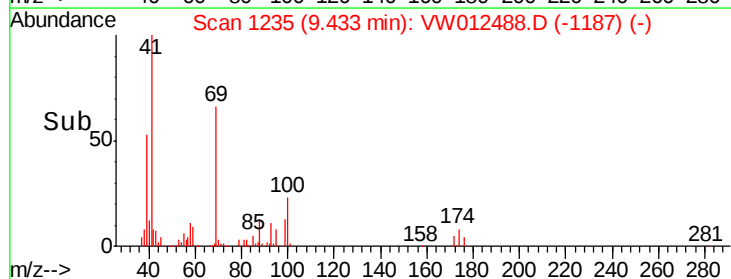
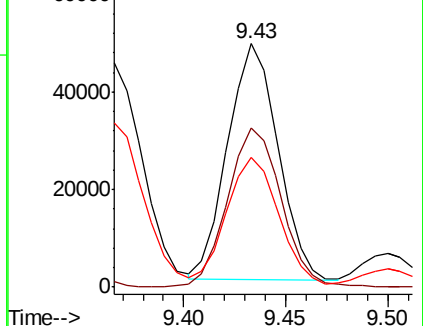
39 54.6 42.0 63.0

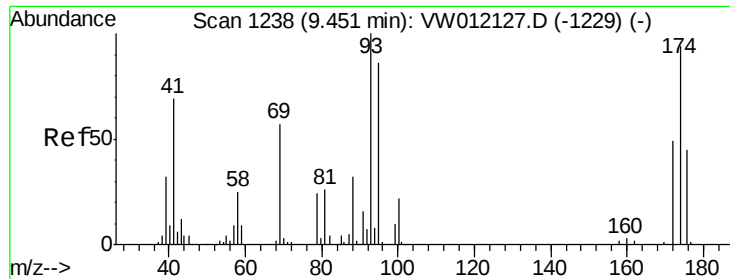


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 967.386 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

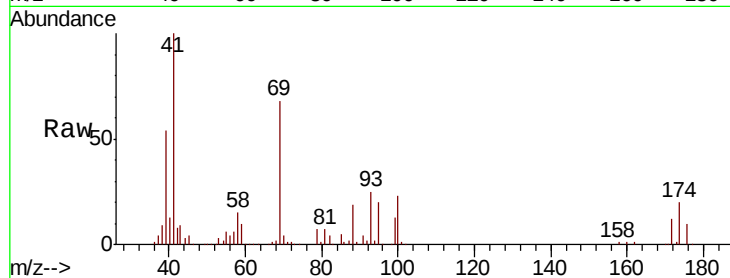
Tgt Ion: 88 Resp: 16866

Ion Ratio Lower Upper

88 100

43 42.6 32.9 49.3

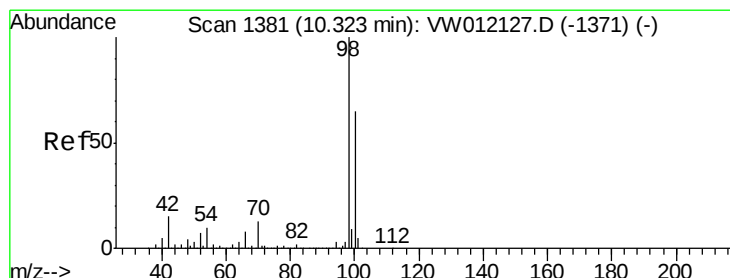
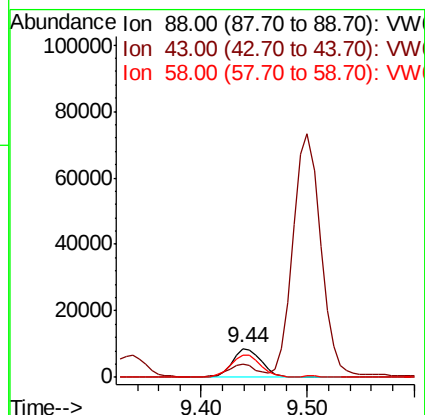
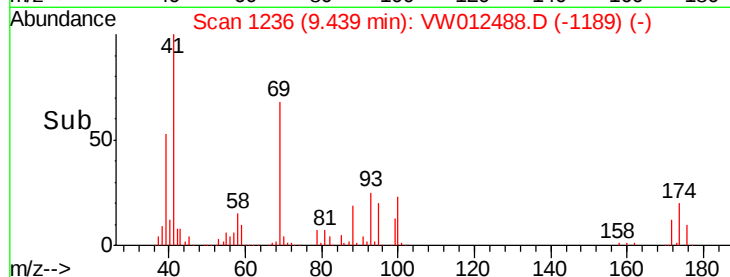
58 81.3 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.701 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012488.D

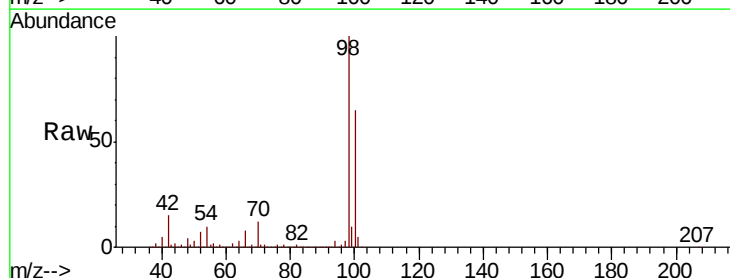
Acq: 02 Sep 2019 10:08

Tgt Ion: 98 Resp: 438071

Ion Ratio Lower Upper

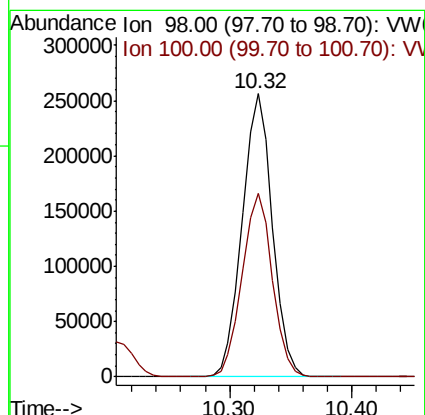
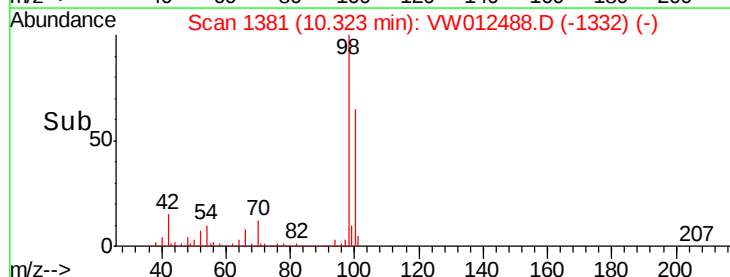
98 100

100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

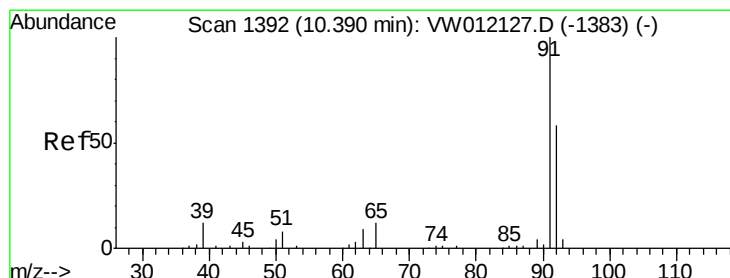
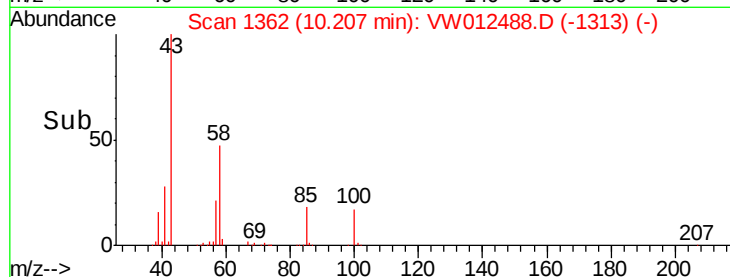
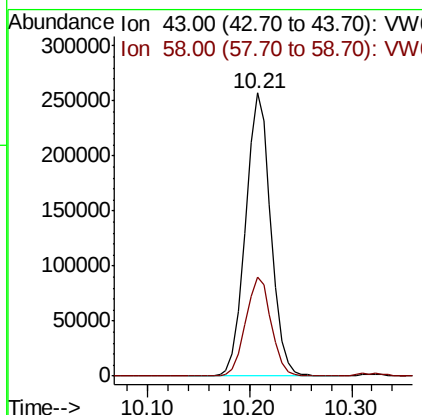
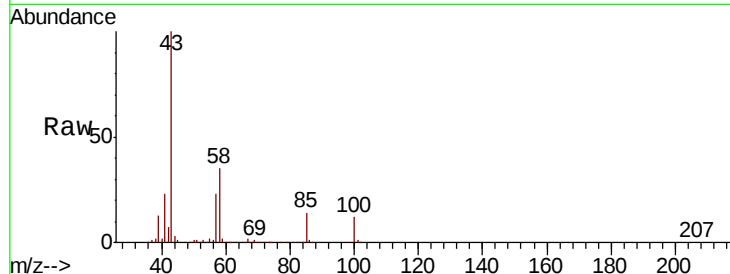




#51
 4-Methyl-2-Pentanone
 Concen: 245.917 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

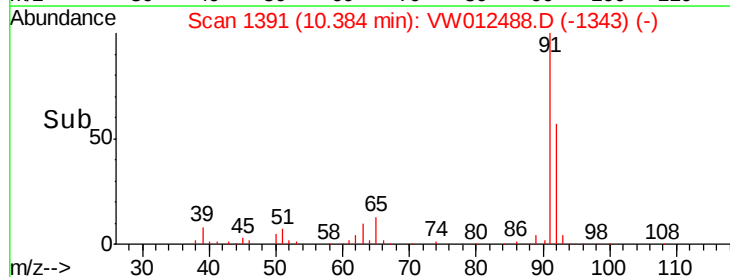
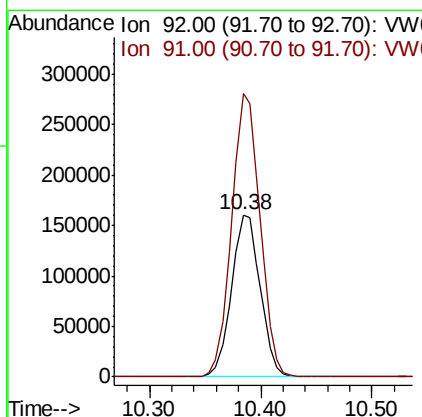
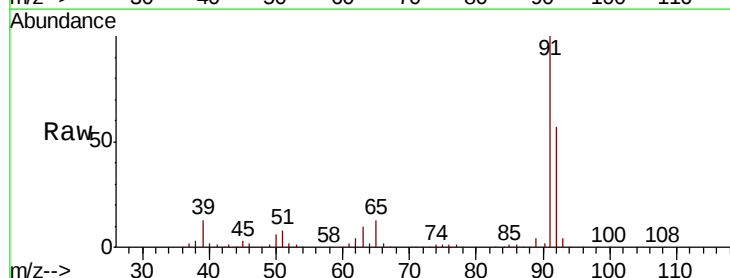
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

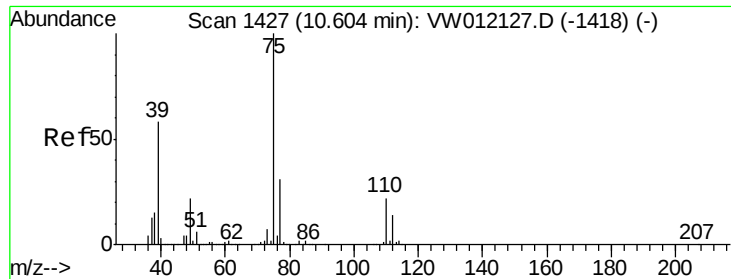
Tgt Ion: 43 Resp: 442219
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2



#52
 Toluene
 Concen: 49.801 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion: 92 Resp: 284539
 Ion Ratio Lower Upper
 92 100
 91 173.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 51.632 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

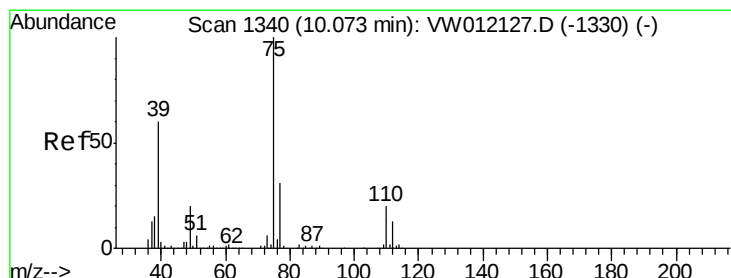
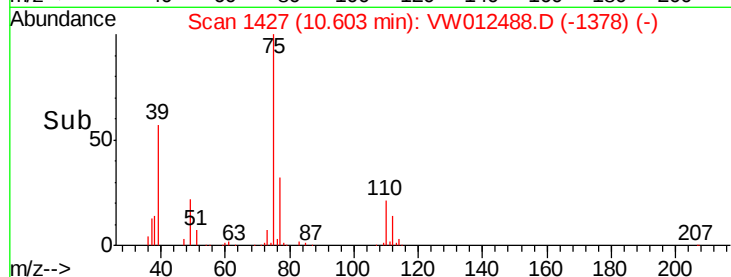
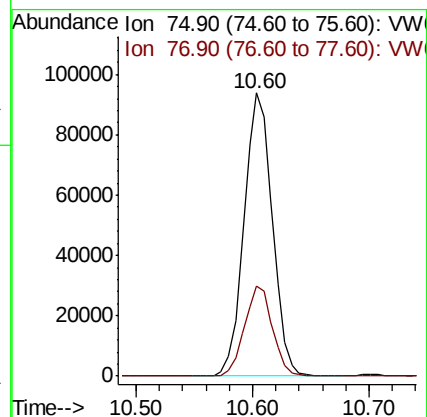
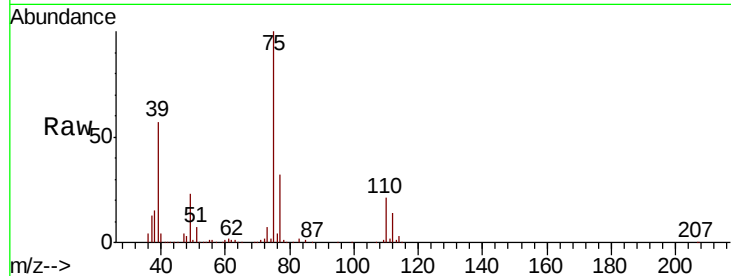
VSTDCCC050

Tgt Ion: 75 Resp: 159411

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.676 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

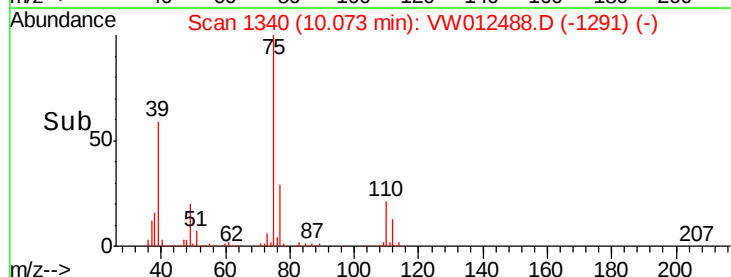
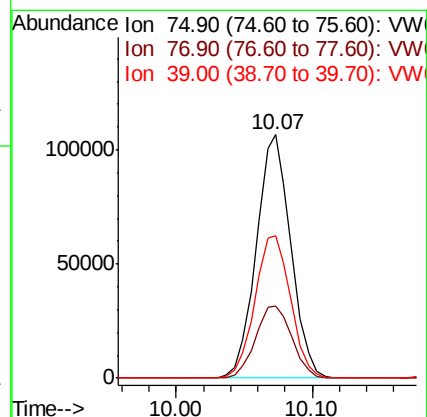
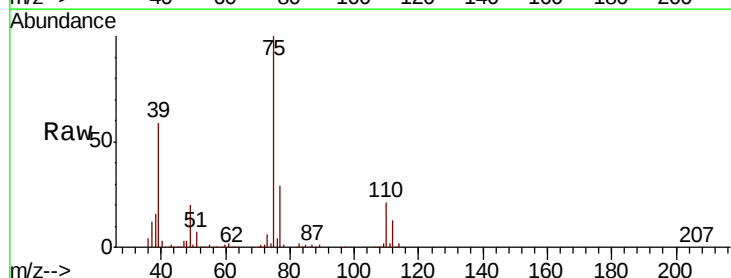
Tgt Ion: 75 Resp: 188915

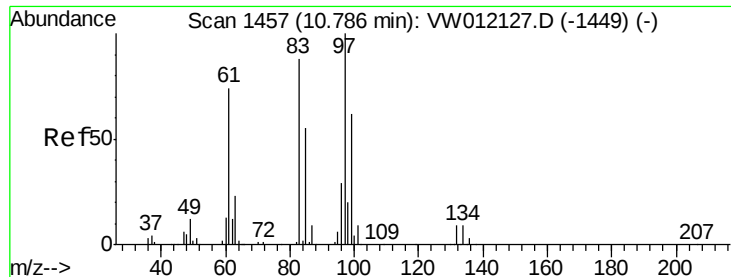
Ion Ratio Lower Upper

75 100

77 29.4 25.1 37.7

39 58.6 48.3 72.5

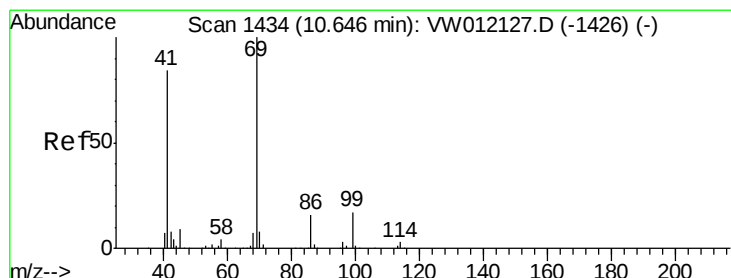
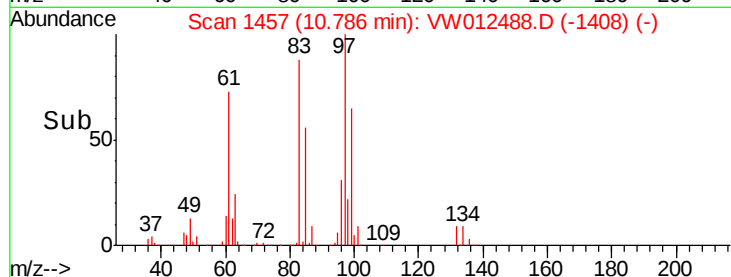
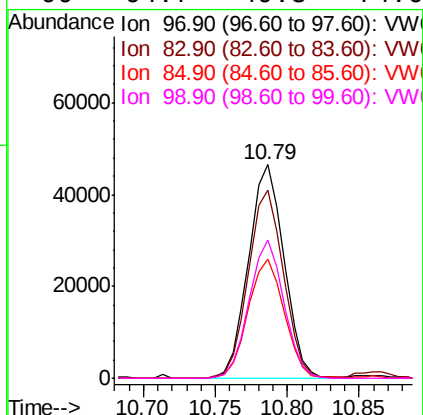
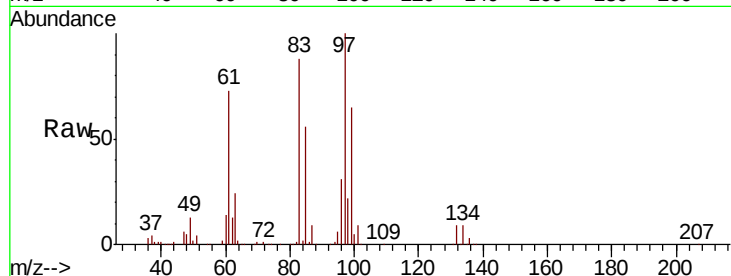




#55
 1,1,2-Trichloroethane
 Concen: 49.181 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

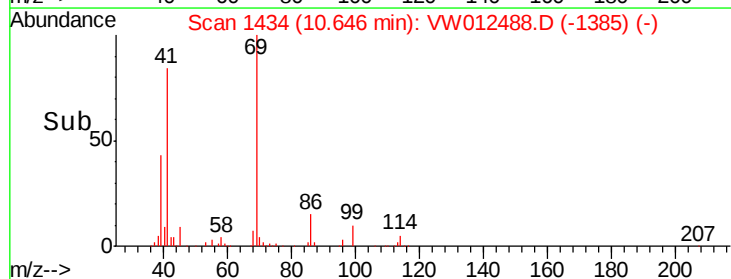
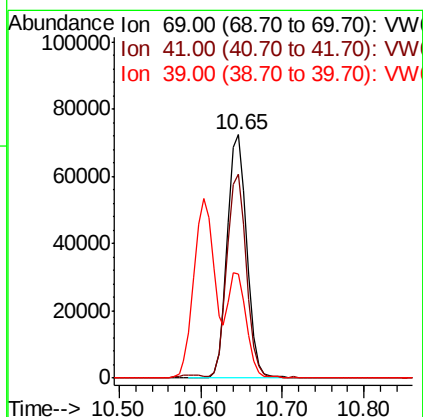
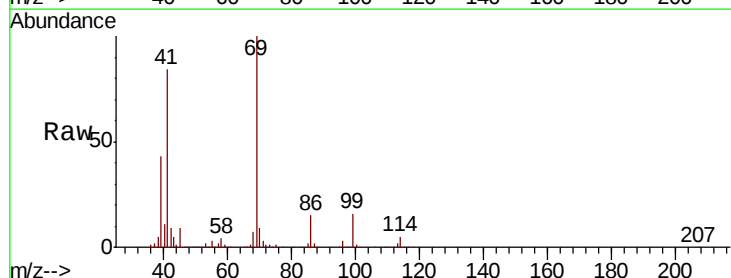
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

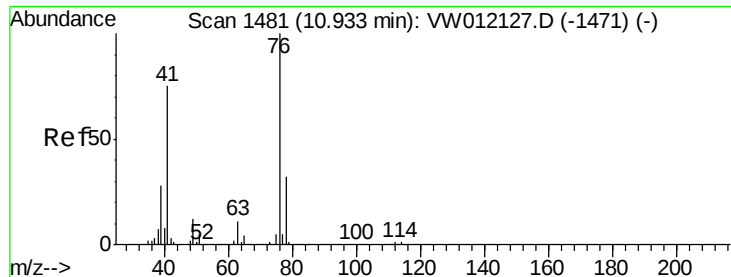
Tgt Ion:	97	Resp:	79247
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	56.0	43.8	65.8
99	64.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 50.801 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion:	69	Resp:	119137
Ion	Ratio	Lower	Upper
69	100		
41	82.8	66.5	99.7
39	39.3	31.0	46.4





#57

1,3-Dichloropropane

Concen: 49.427 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

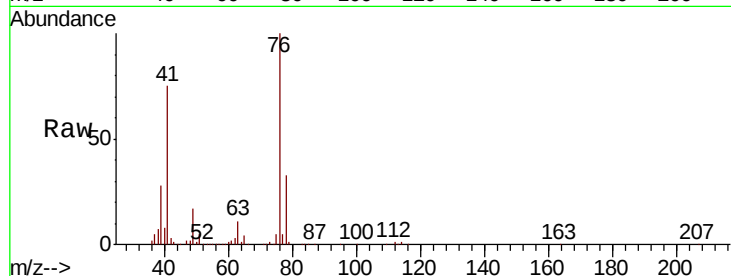
VSTDCCC050

Tgt Ion: 76 Resp: 150504

Ion Ratio Lower Upper

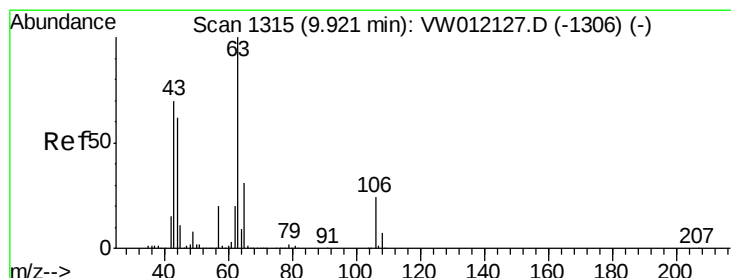
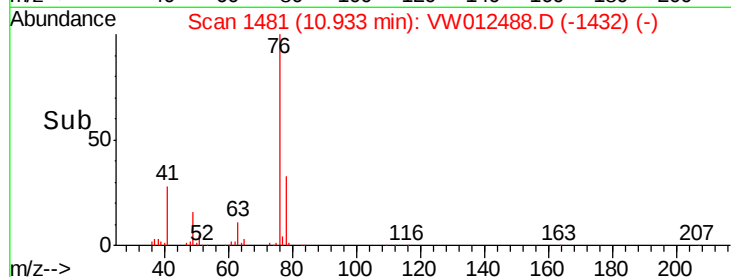
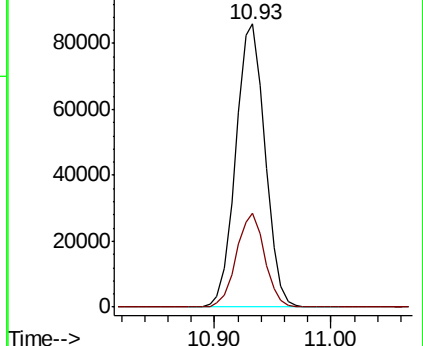
76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 253.553 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012488.D

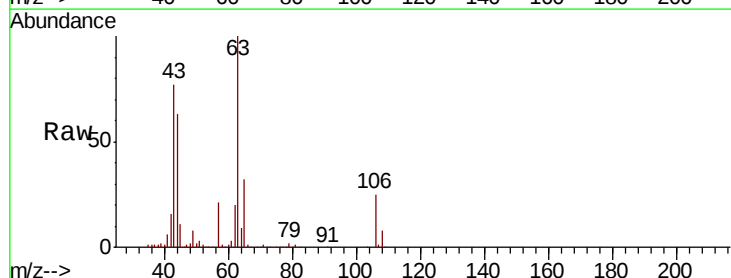
Acq: 02 Sep 2019 10:08

Tgt Ion: 63 Resp: 305173

Ion Ratio Lower Upper

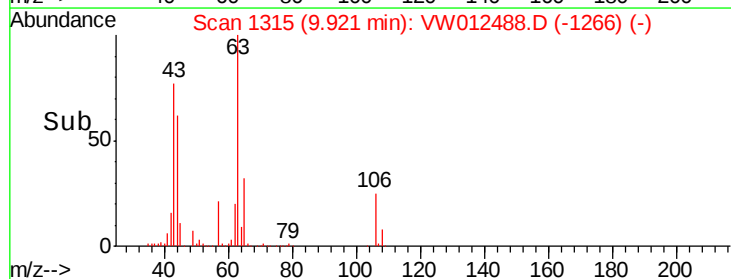
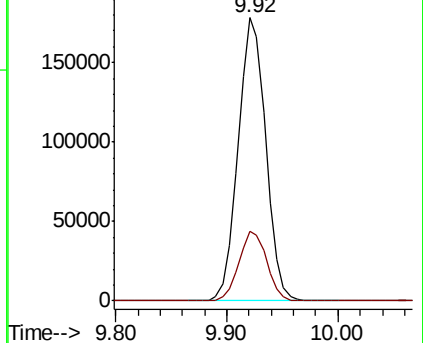
63 100

106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

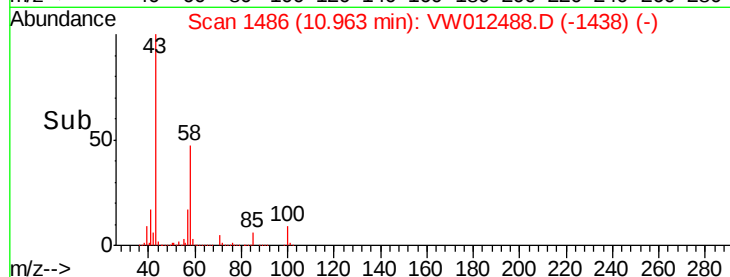
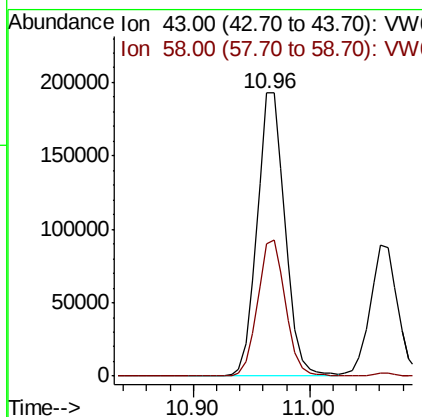
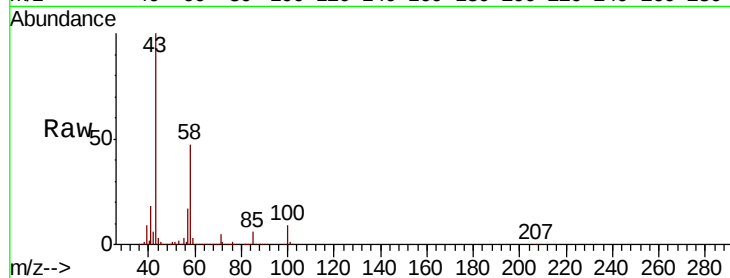




#59
2-Hexanone
Concen: 253.795 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

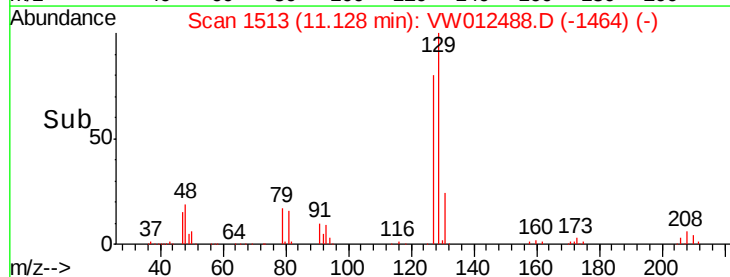
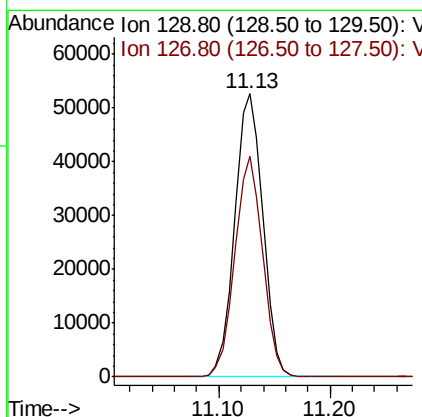
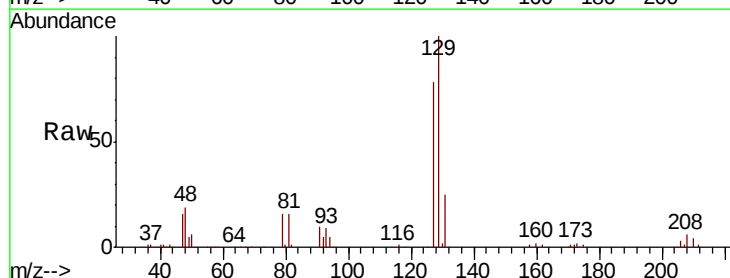
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 322922
Ion Ratio Lower Upper
43 100
58 47.9 24.3 72.9



#60
Dibromochloromethane
Concen: 51.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 129 Resp: 91946
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.200 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

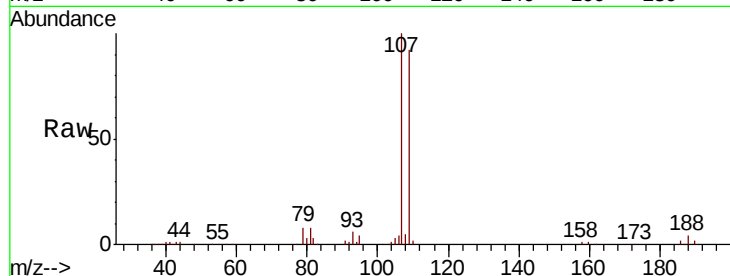
VSTDCCC050

Tgt Ion: 107 Resp: 75359

Ion Ratio Lower Upper

107 100

109 90.7 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

40000

30000

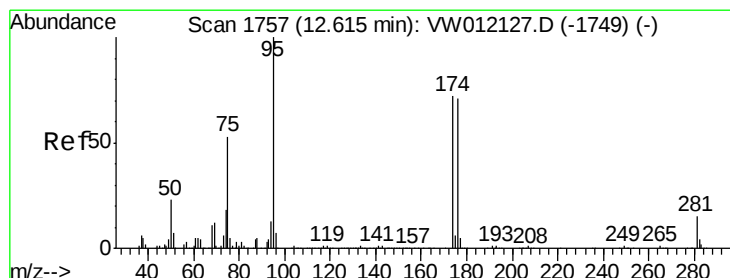
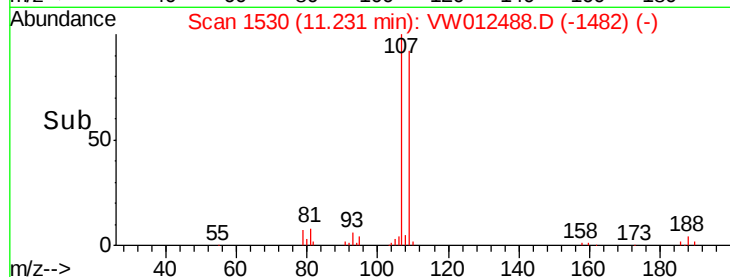
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 53.702 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

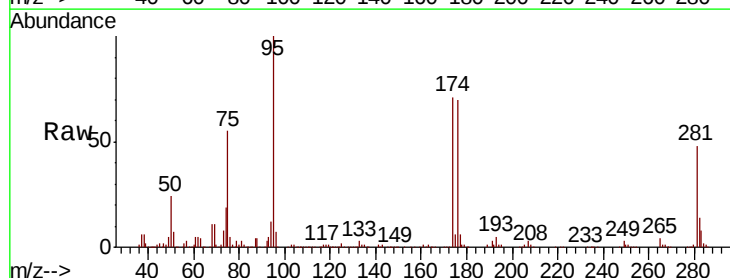
Tgt Ion: 95 Resp: 154423

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

176 74.7 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

60000

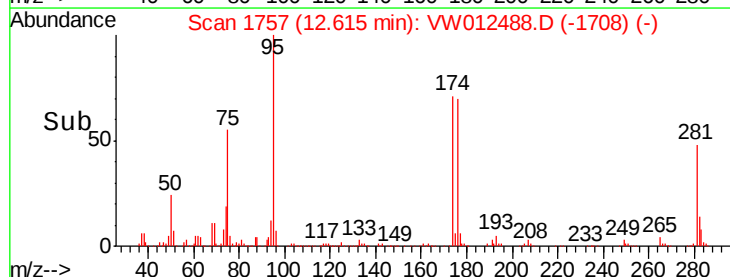
40000

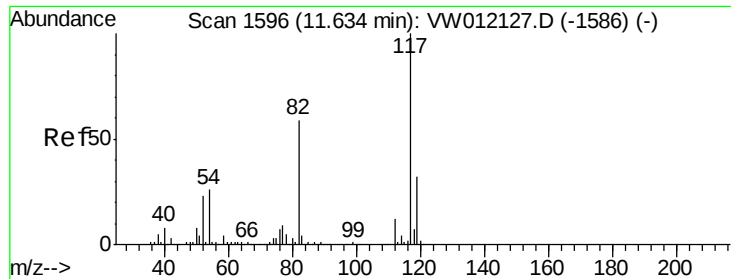
20000

0

Time-->

12.60 12.70

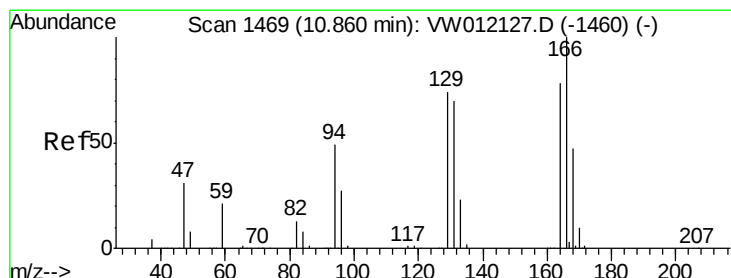
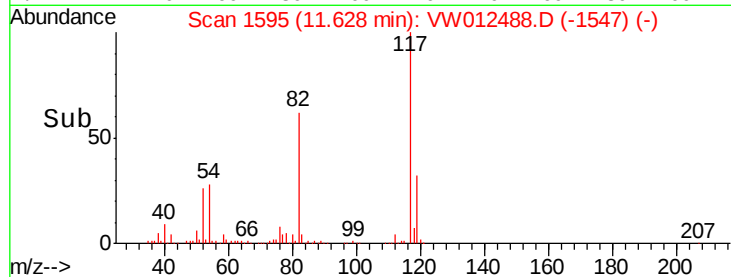
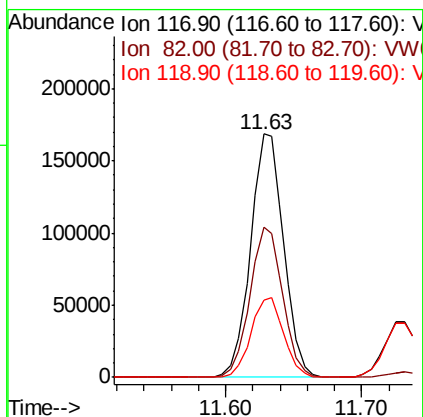
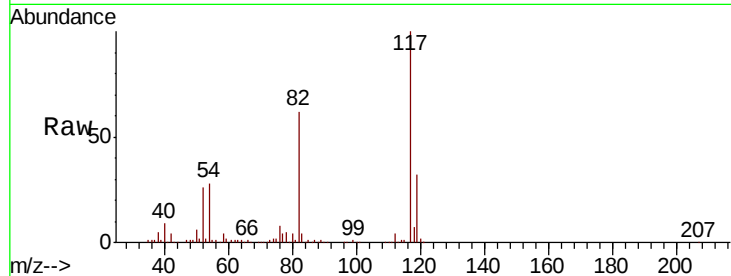




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

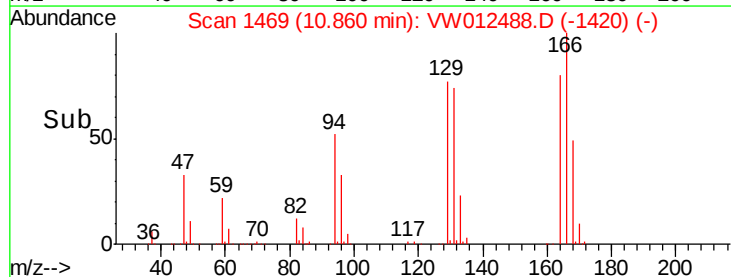
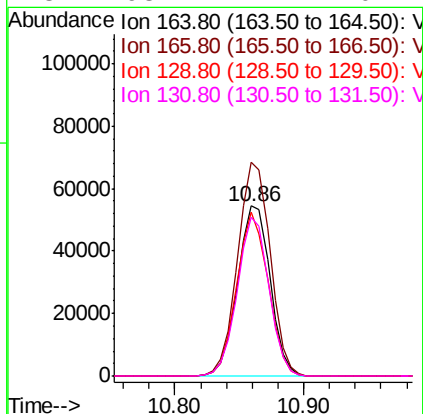
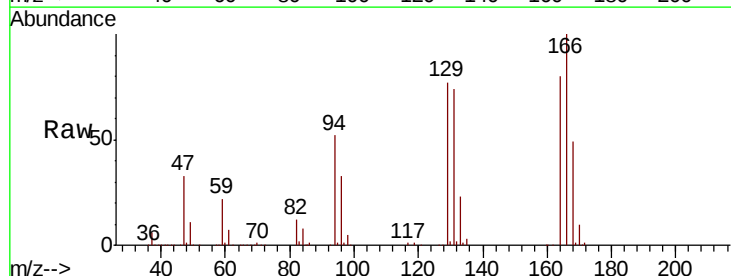
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

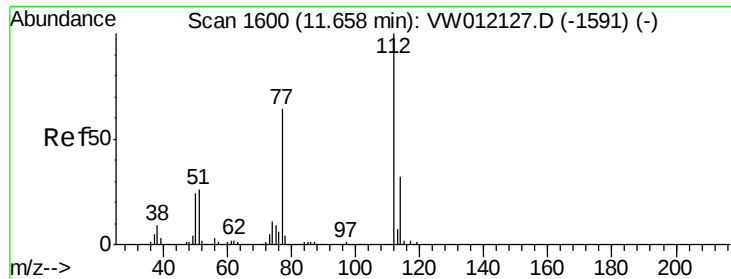
Tgt Ion:117 Resp: 287399
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 51.074 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion:164 Resp: 95166
Ion Ratio Lower Upper
164 100
166 125.5 102.4 153.6
129 96.5 75.8 113.6
131 93.2 71.4 107.2

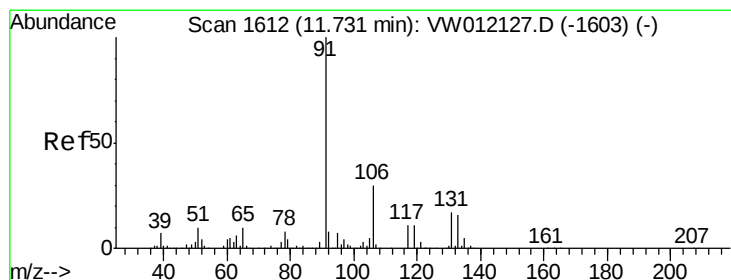
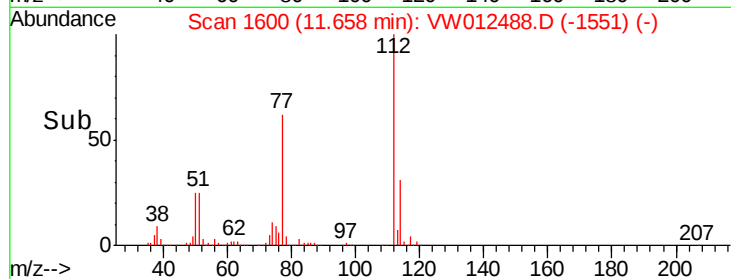
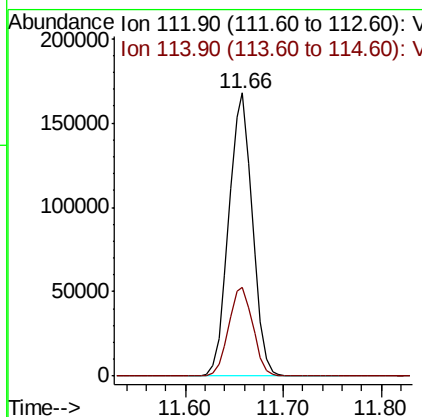
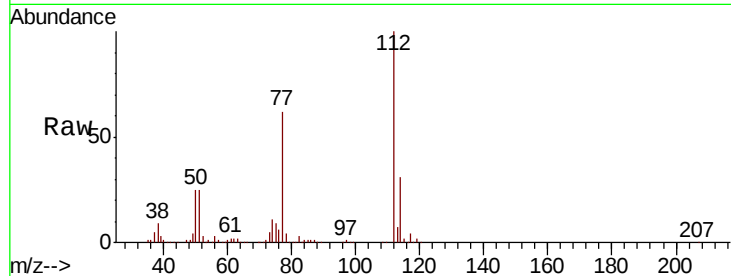




#65
Chlorobenzene
Concen: 49.577 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

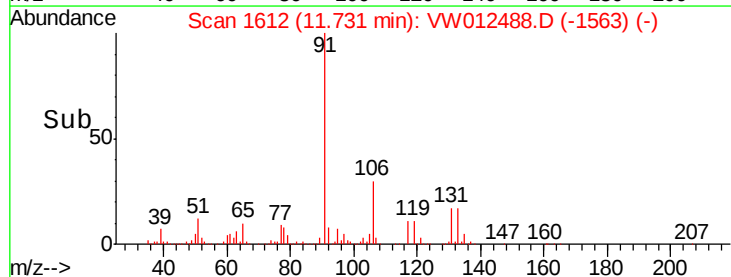
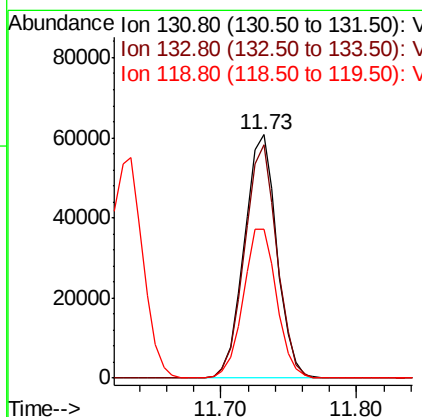
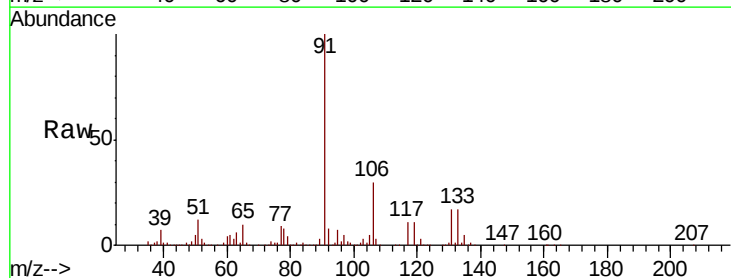
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

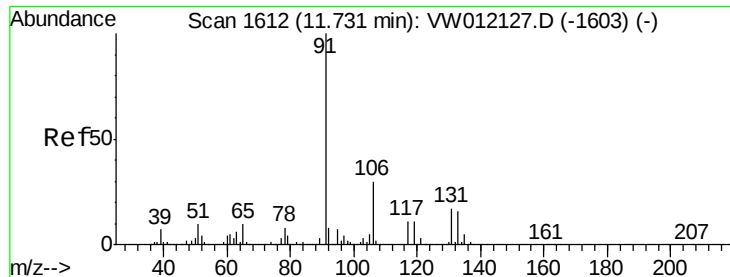
Tgt Ion:112 Resp: 280564
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.574 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion:131 Resp: 101819
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.3
119 63.0 31.8 95.3

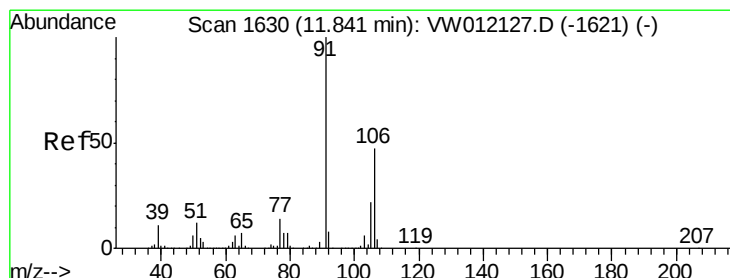
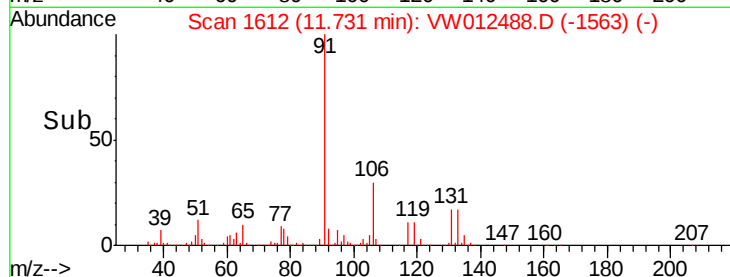
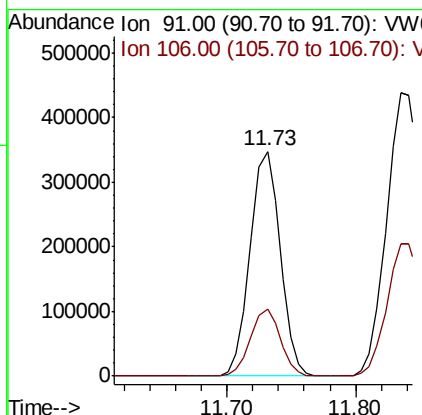
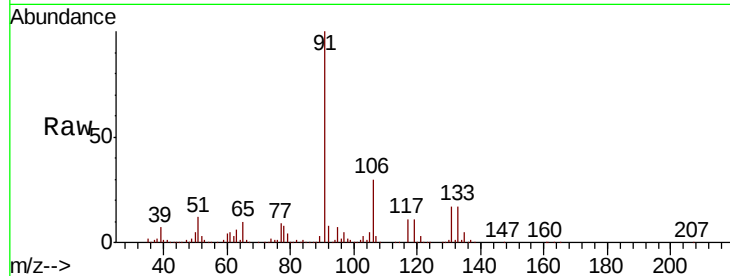




#67
Ethyl Benzene
Concen: 51.491 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

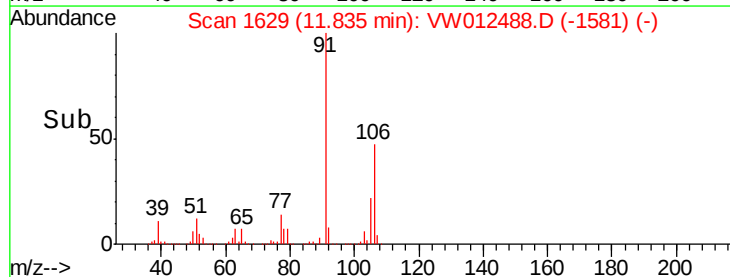
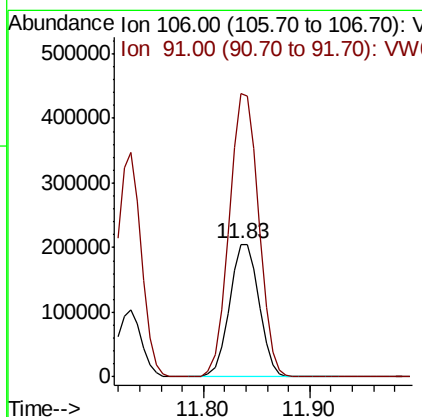
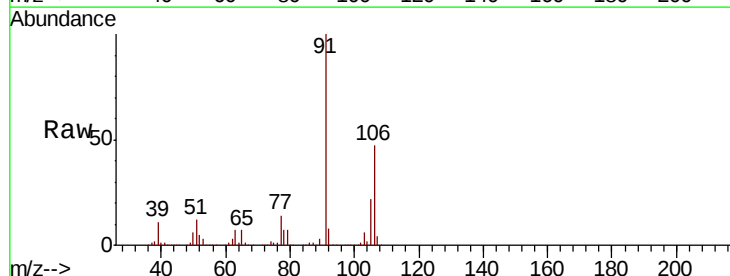
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

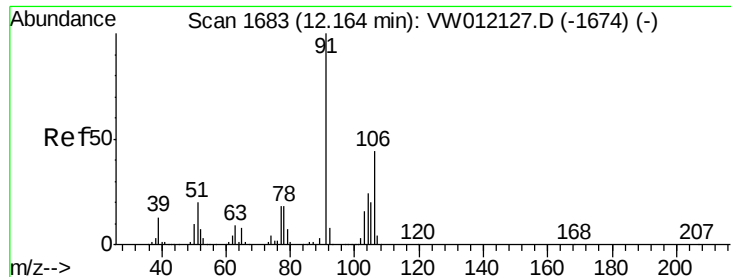
Tgt Ion: 91 Resp: 561322
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 101.602 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 106 Resp: 398972
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3

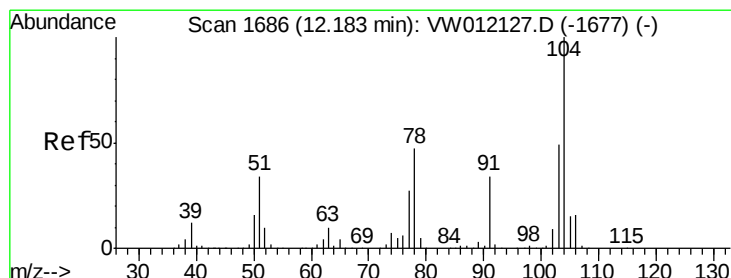
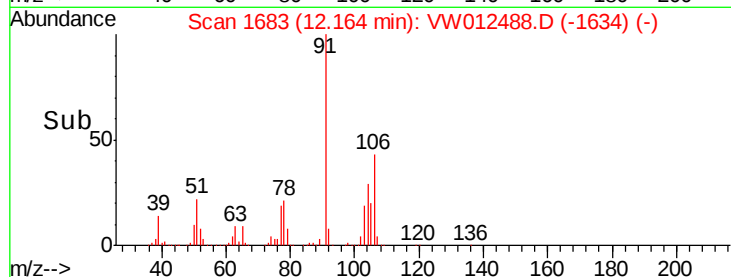
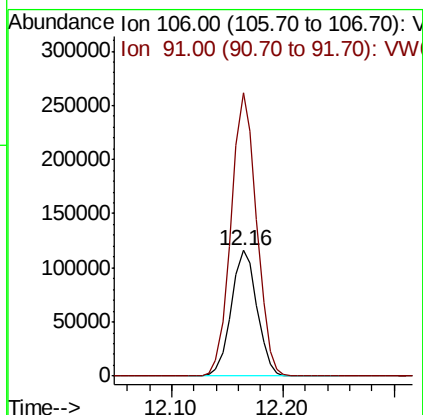
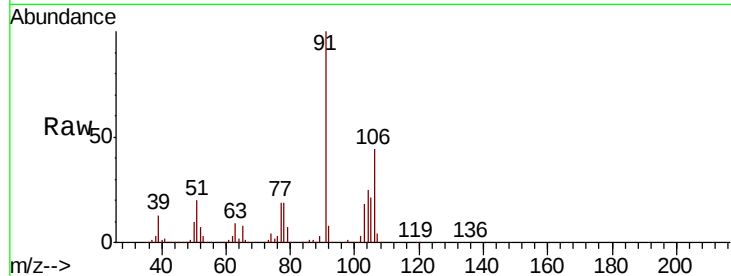




#69
o-Xylene
Concen: 50.993 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

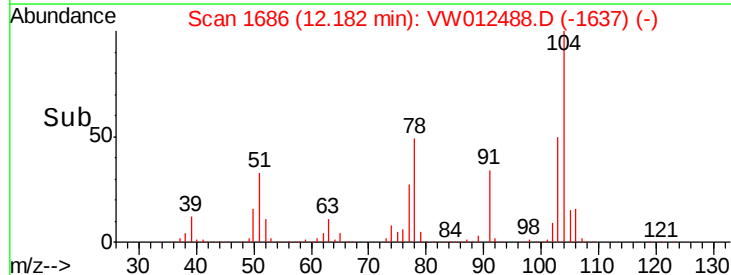
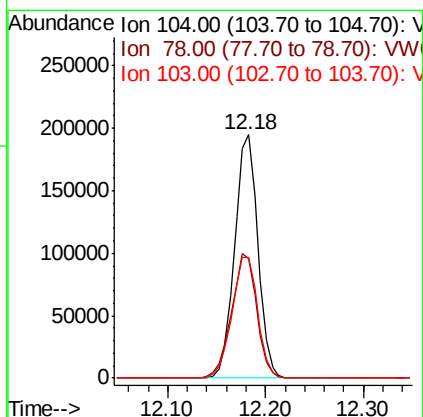
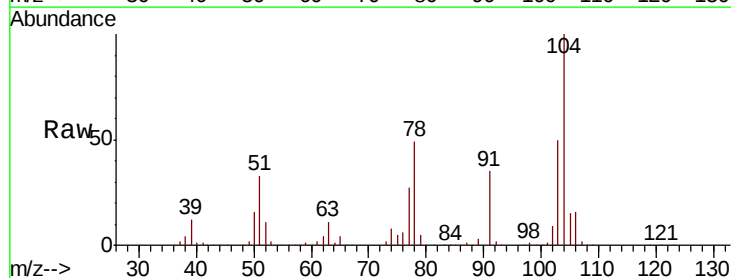
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

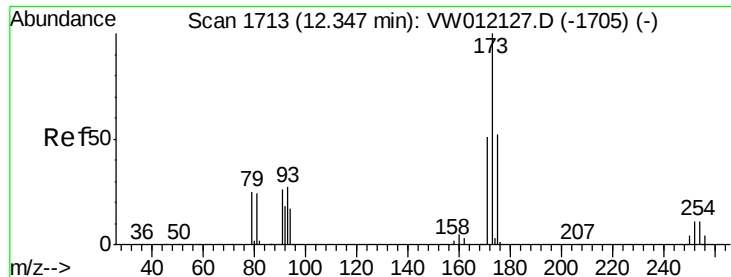
Tgt Ion:106 Resp: 185329
Ion Ratio Lower Upper
106 100
91 223.1 111.6 334.6



#70
Styrene
Concen: 50.933 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion:104 Resp: 320406
Ion Ratio Lower Upper
104 100
78 55.3 43.1 64.7
103 55.4 43.5 65.3

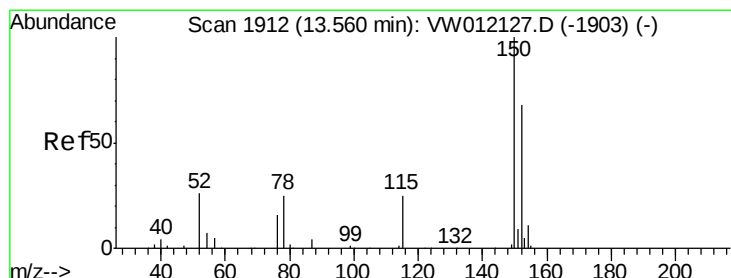
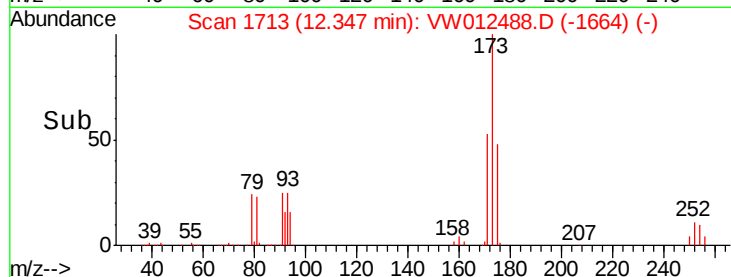
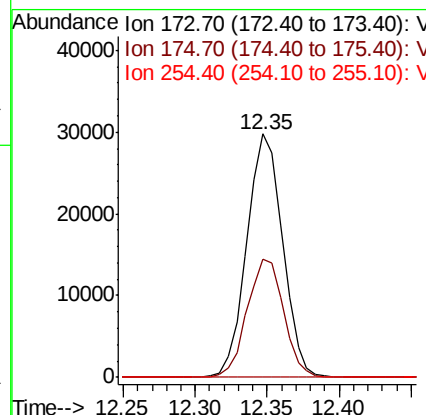
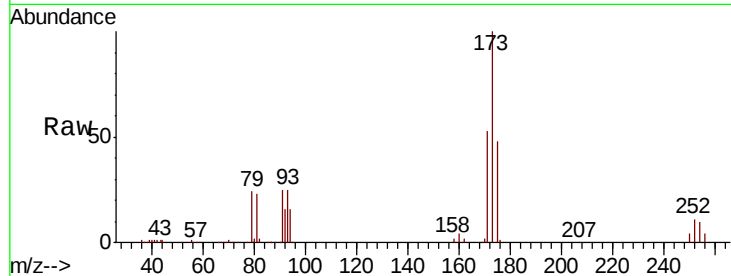




#71
Bromoform
Concen: 51.915 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

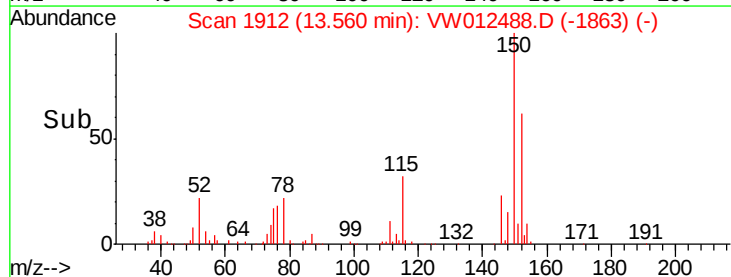
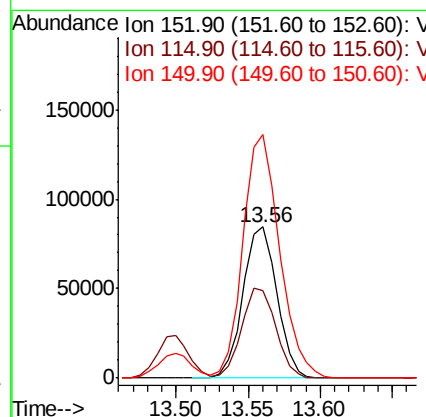
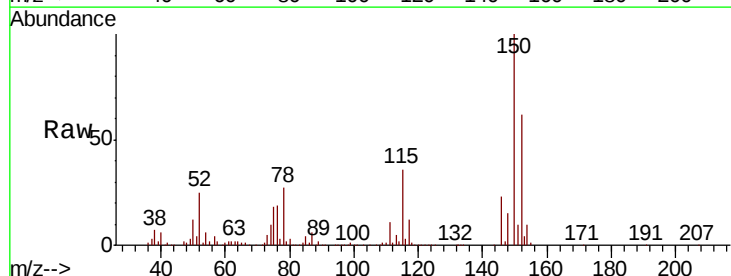
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

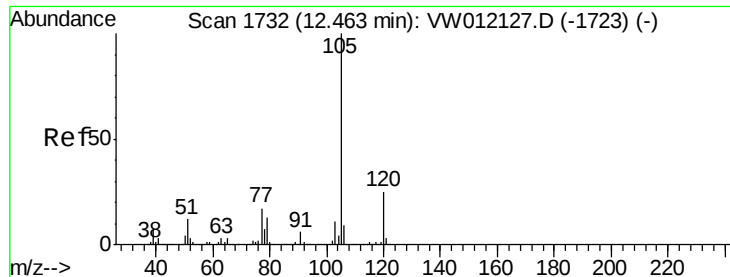
Tgt Ion:173 Resp: 51065
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion:152 Resp: 138165
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.3
150 173.3 0.0 345.8





#73

Isopropylbenzene

Concen: 51.322 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

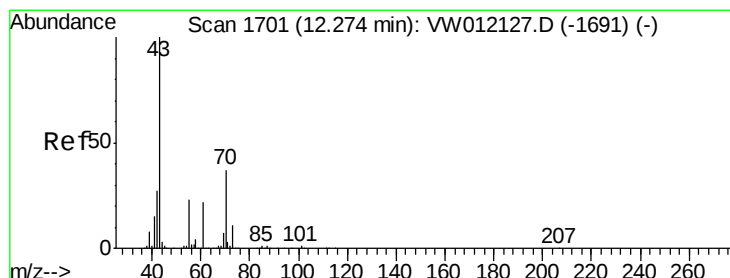
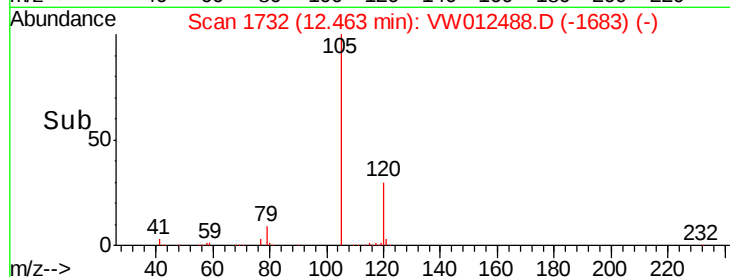
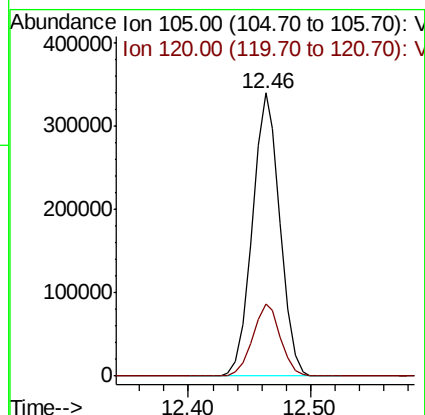
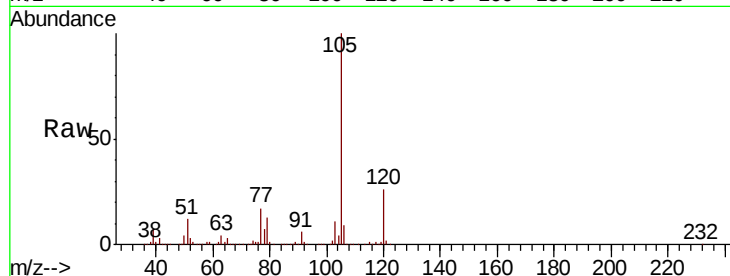
VSTDCCC050

Tgt Ion:105 Resp: 531336

Ion Ratio Lower Upper

105 100

120 25.4 12.5 37.5



#74

N-ethyl acetate

Concen: 50.301 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Tgt Ion: 43 Resp: 157336

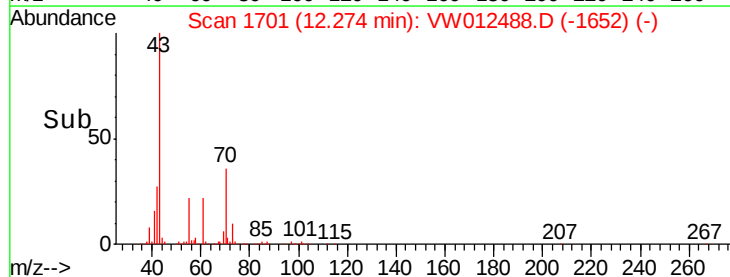
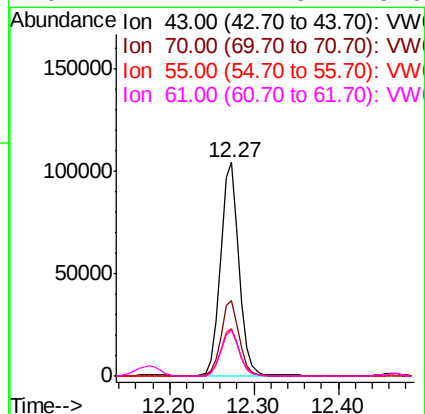
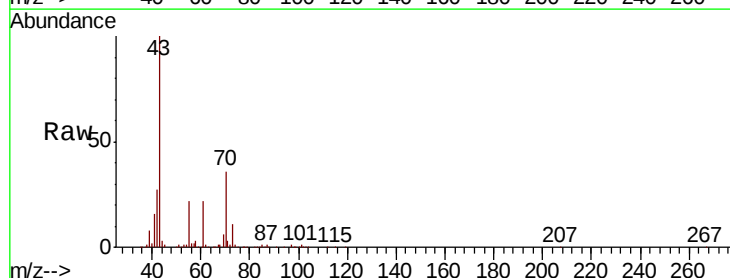
Ion Ratio Lower Upper

43 100

70 35.2 28.6 43.0

55 22.8 17.8 26.6

61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.644 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

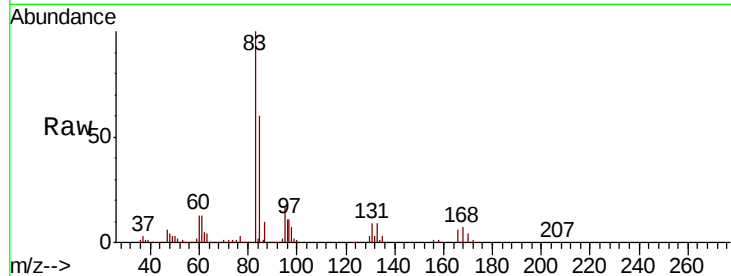
Tgt Ion: 83 Resp: 92326

Ion Ratio Lower Upper

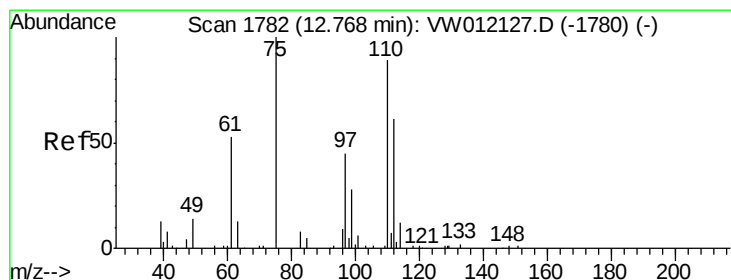
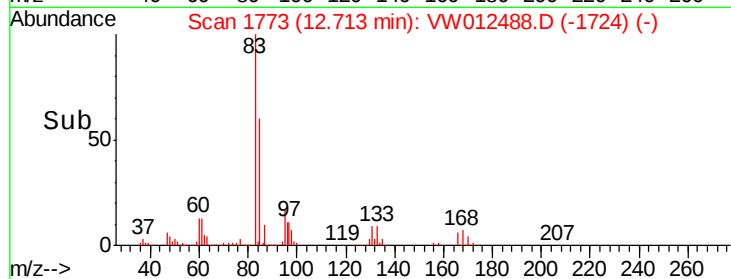
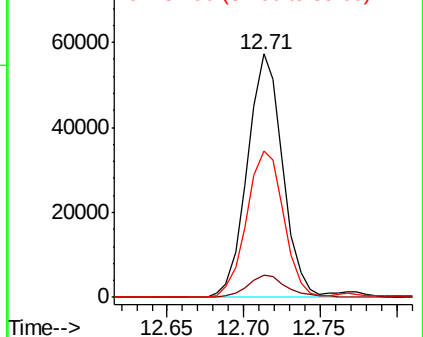
83 100

131 10.2 4.9 14.7

85 62.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 93.352 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012488.D

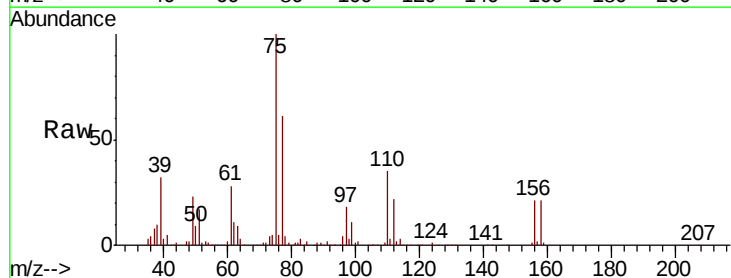
Acq: 02 Sep 2019 10:08

Tgt Ion: 75 Resp: 125617

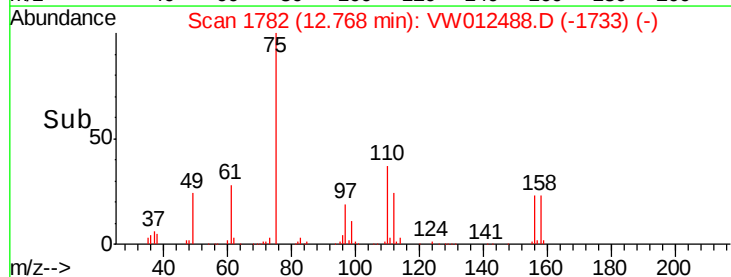
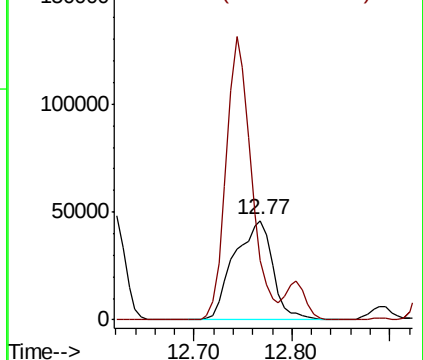
Ion Ratio Lower Upper

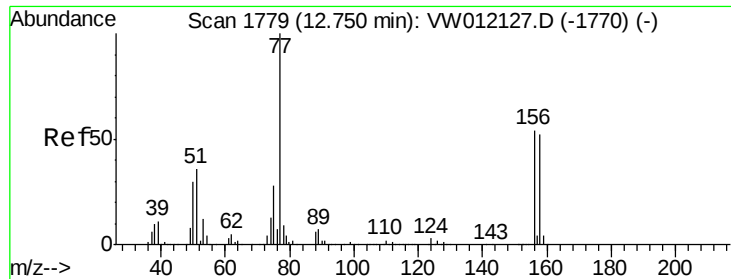
75 100

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

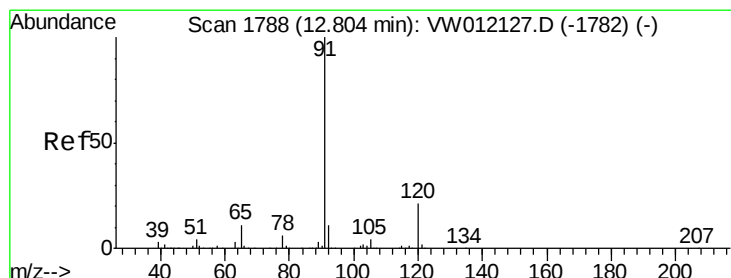
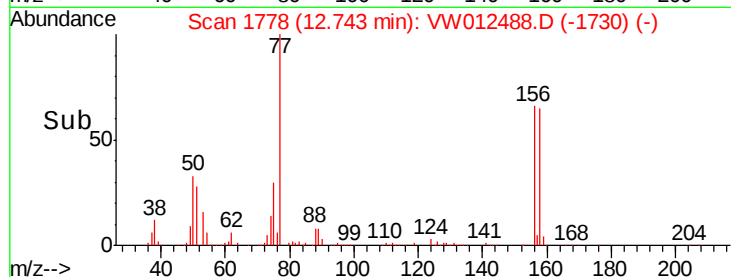
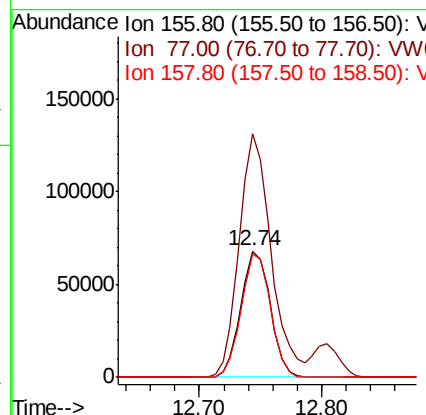
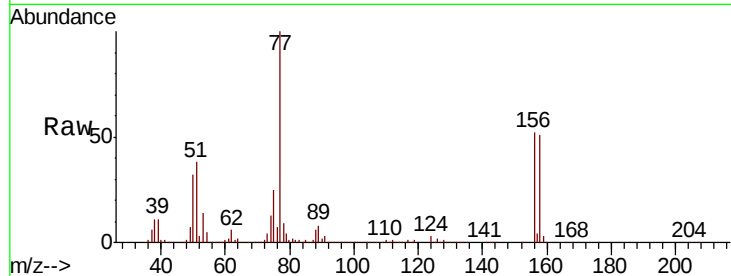




#77
Bromobenzene
Concen: 50.821 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

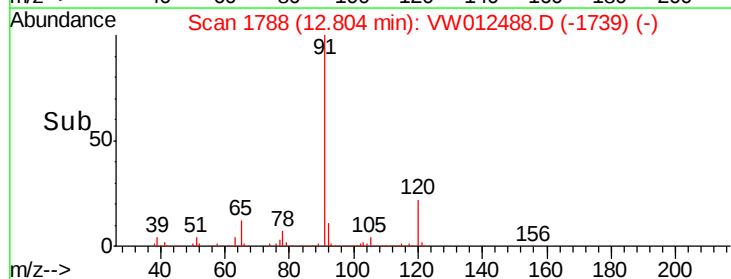
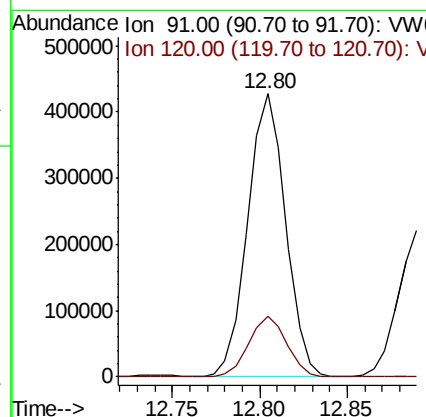
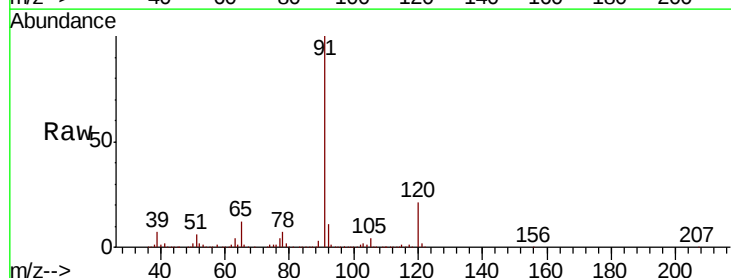
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 113825
Ion Ratio Lower Upper
156 100
77 208.7 107.3 321.8
158 97.4 49.0 147.0



#78
n-propylbenzene
Concen: 50.843 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 91 Resp: 642599
Ion Ratio Lower Upper
91 100
120 21.6 10.5 31.6





#79

2-Chlorotoluene

Concen: 50.384 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

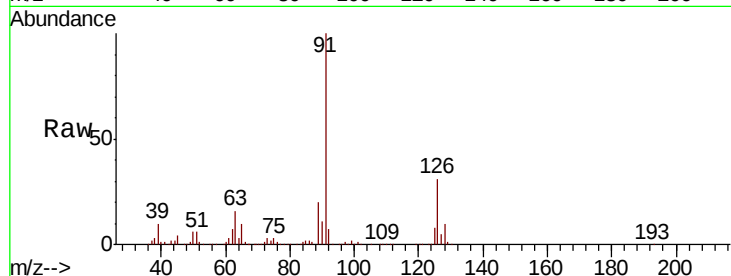
VSTDCCC050

Tgt Ion: 91 Resp: 361535

Ion Ratio Lower Upper

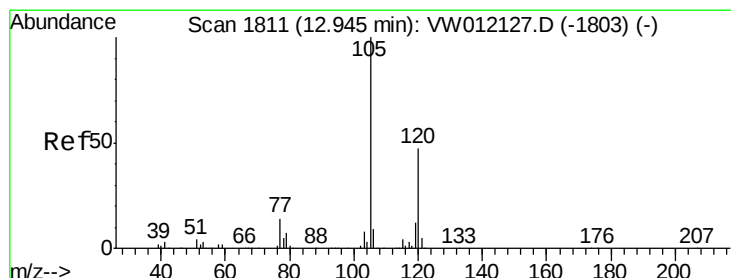
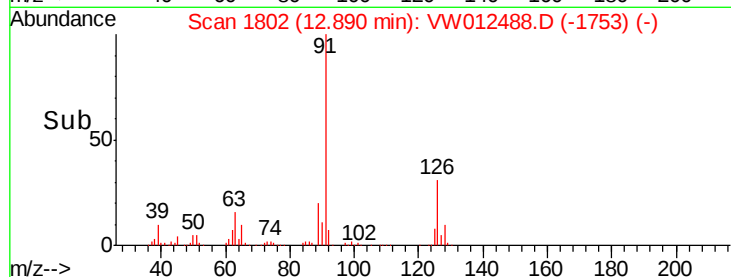
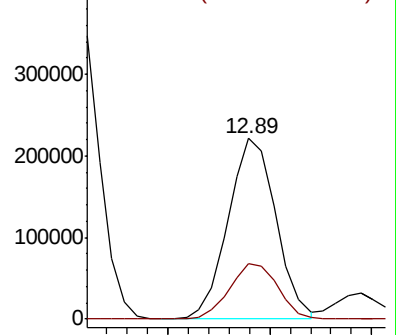
91 100

126 31.2 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW012127.D (-1795) (-)

Ion 125.90 (125.60 to 126.60): VW012127.D (-1795) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.623 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012488.D

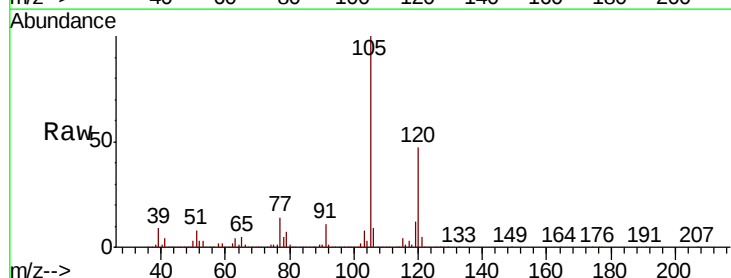
Acq: 02 Sep 2019 10:08

Tgt Ion: 105 Resp: 446587

Ion Ratio Lower Upper

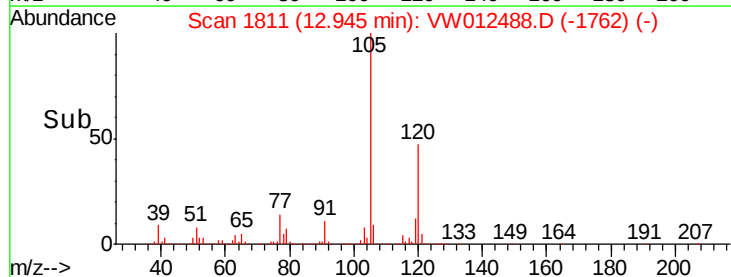
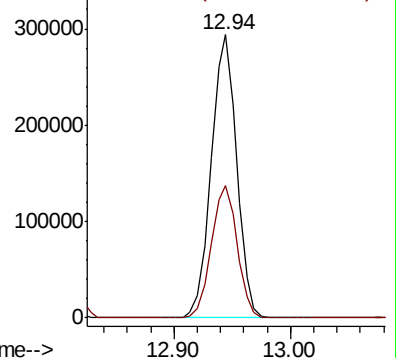
105 100

120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VW012127.D (-1803) (-)

Ion 120.00 (119.70 to 120.70): VW012127.D (-1803) (-)

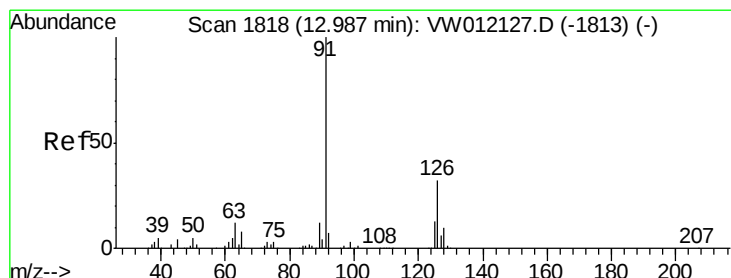
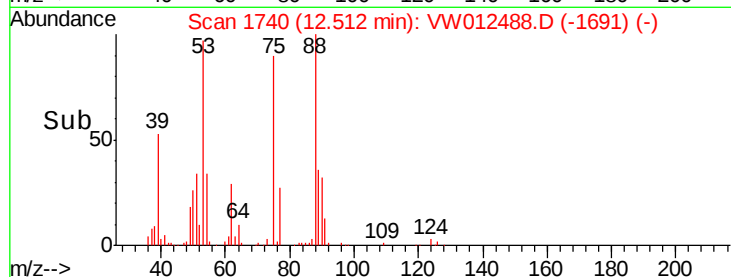
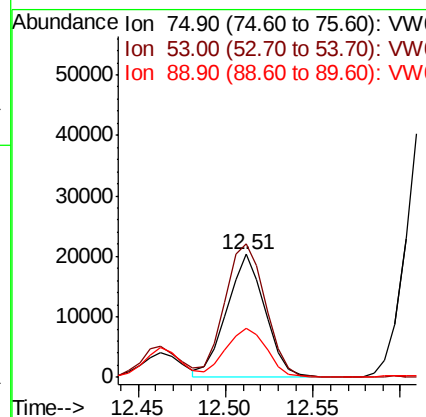
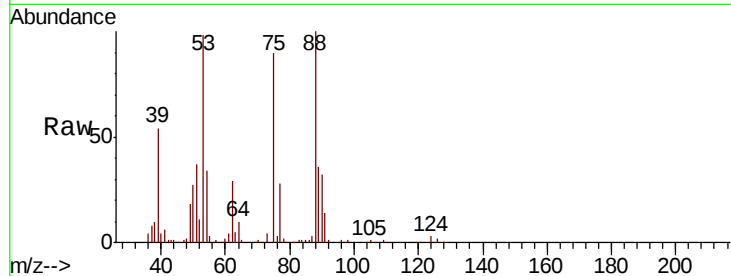




#81
trans-1,4-Dichloro-2-butene
Concen: 50.224 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

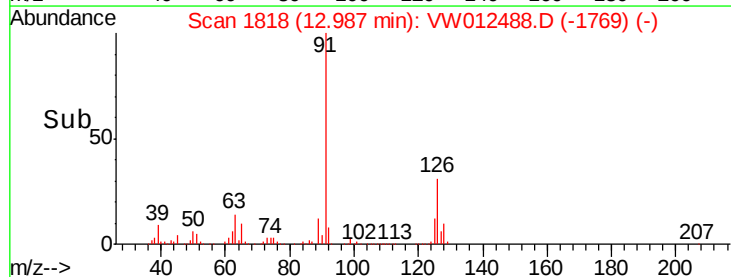
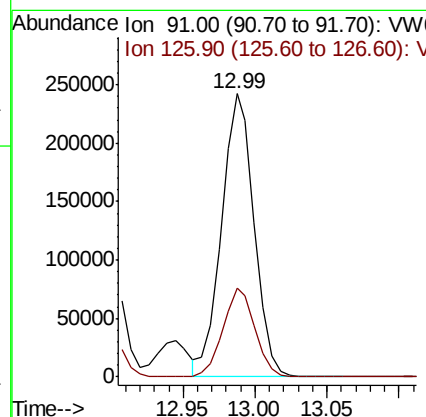
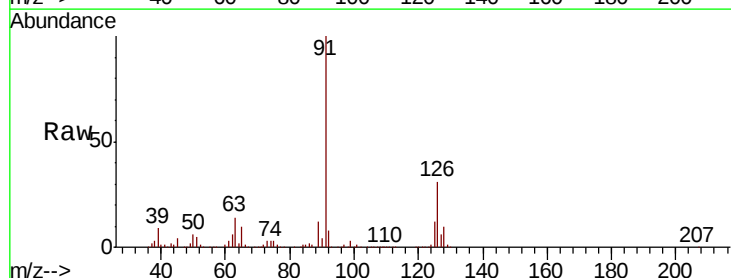
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

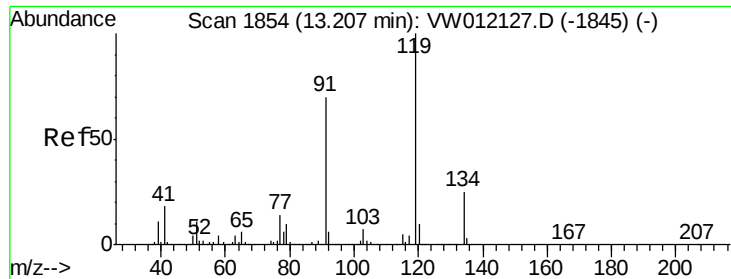
Tgt Ion: 75 Resp: 30824
Ion Ratio Lower Upper
75 100
53 117.0 89.4 134.0
89 42.5 34.5 51.7



#82
4-Chlorotoluene
Concen: 50.700 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion: 91 Resp: 380929
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.8

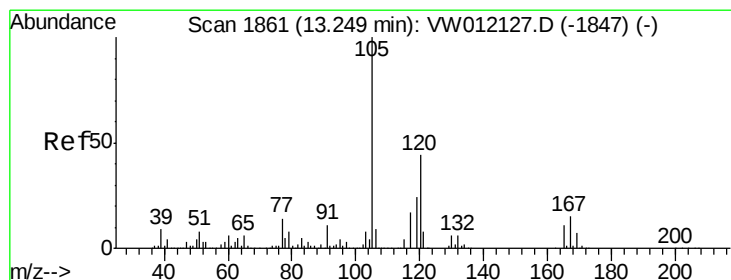
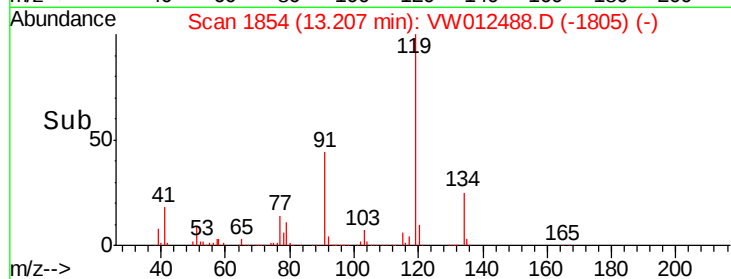
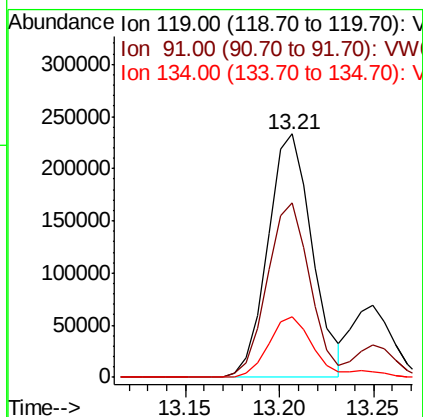
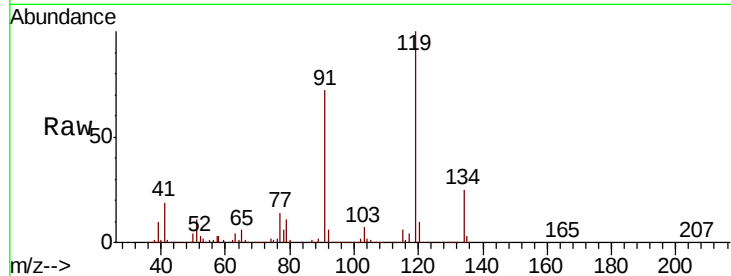




#83
 tert-Butylbenzene
 Concen: 52.005 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

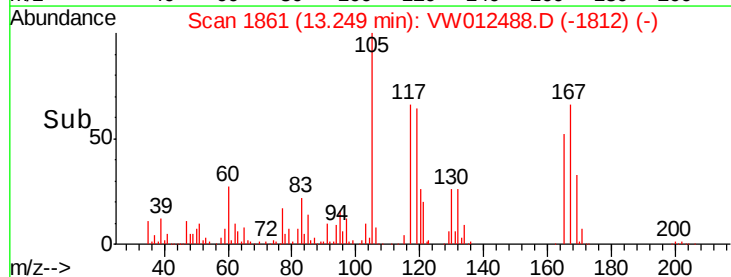
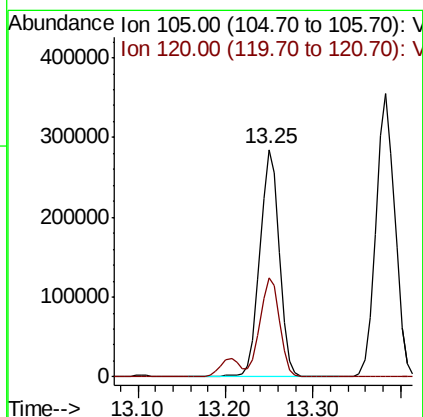
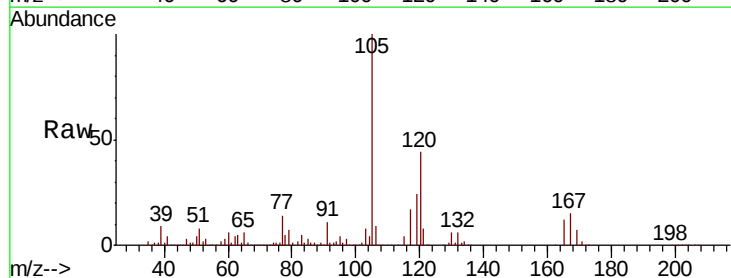
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

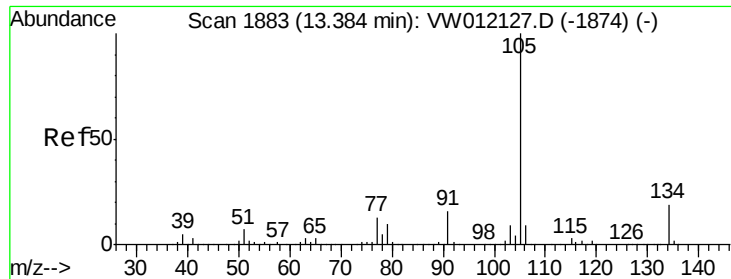
Tgt Ion:119 Resp: 381095
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.8 104.3
 134 26.3 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.818 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion:105 Resp: 441614
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.9 65.7

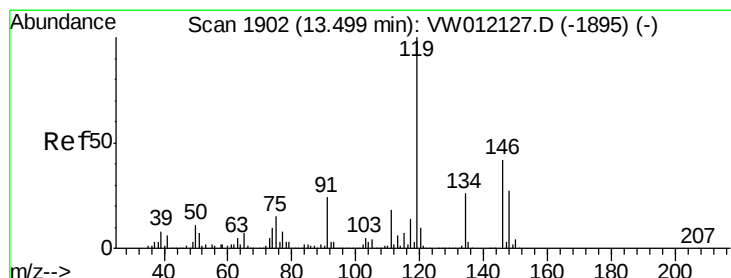
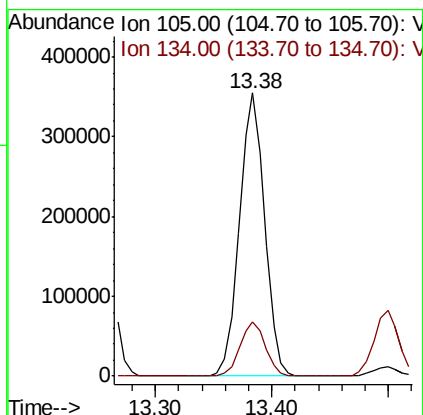
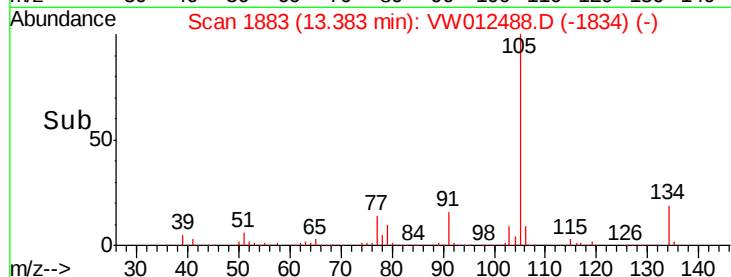
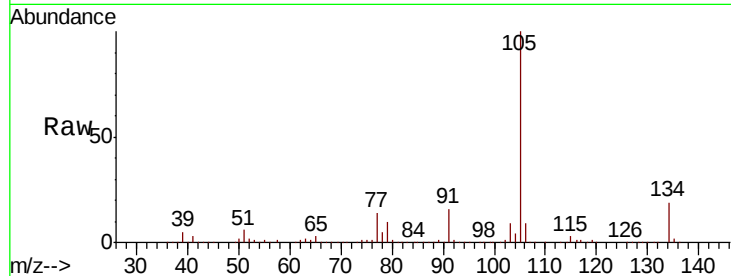




#85
 sec-Butylbenzene
 Concen: 50.907 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

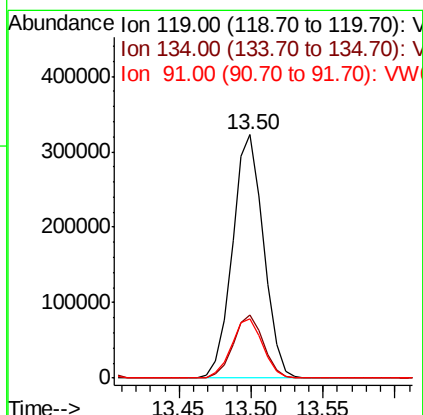
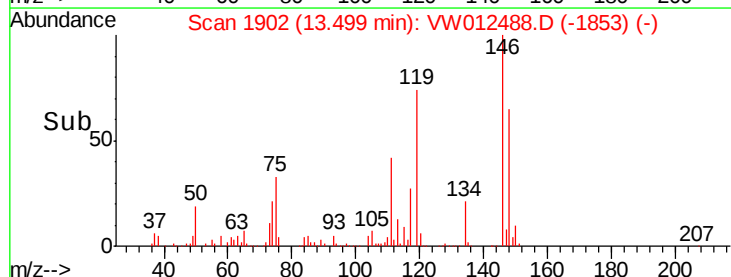
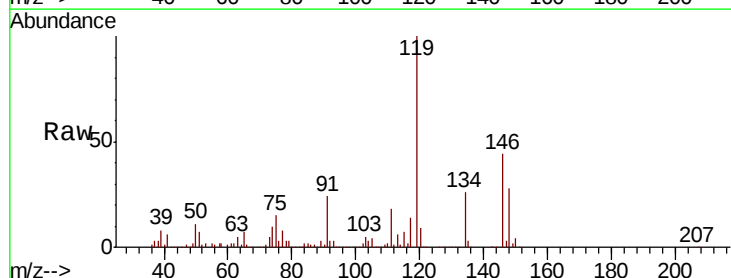
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

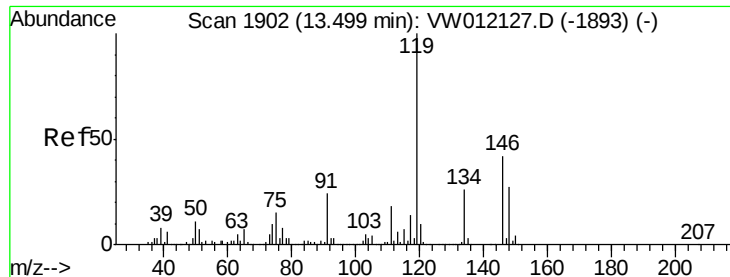
Tgt Ion:105 Resp: 534456
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.682 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion:119 Resp: 484570
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.655 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

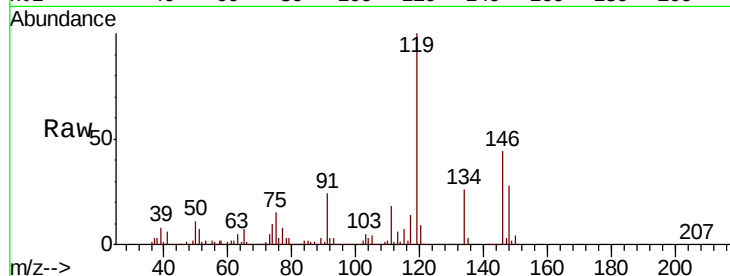
Tgt Ion:146 Resp: 217529

Ion Ratio Lower Upper

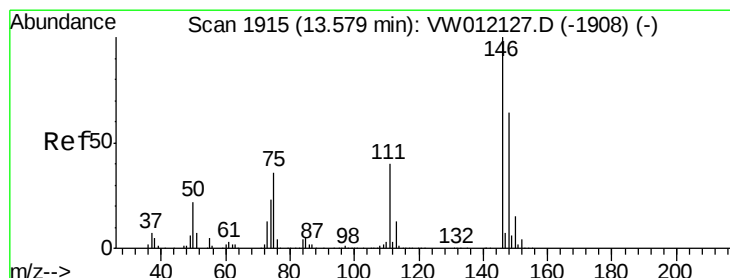
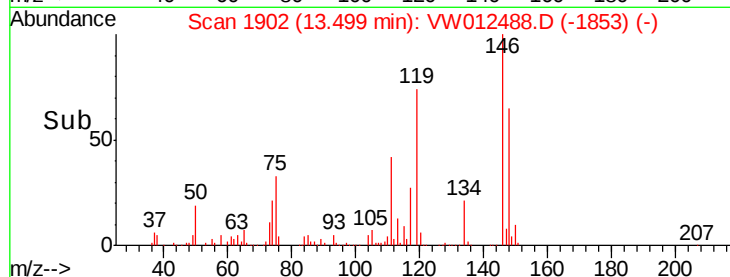
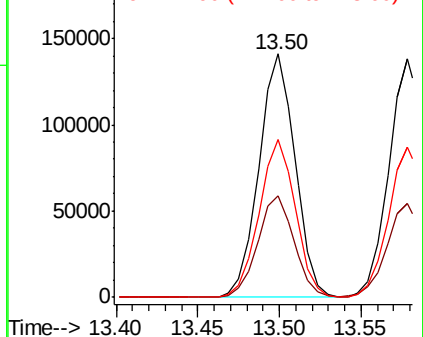
146 100

111 42.1 20.9 62.7

148 64.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.571 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

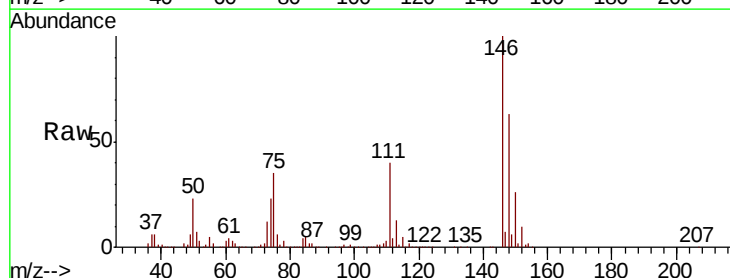
Tgt Ion:146 Resp: 215628

Ion Ratio Lower Upper

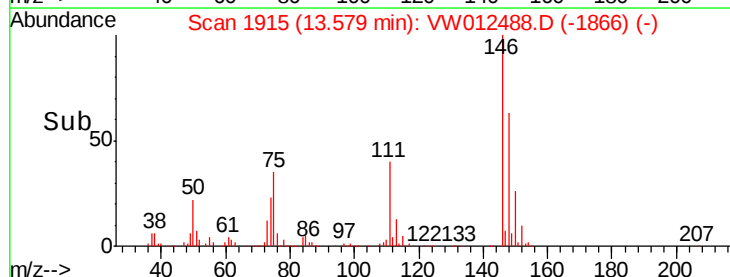
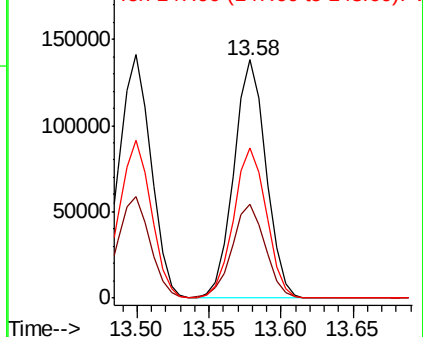
146 100

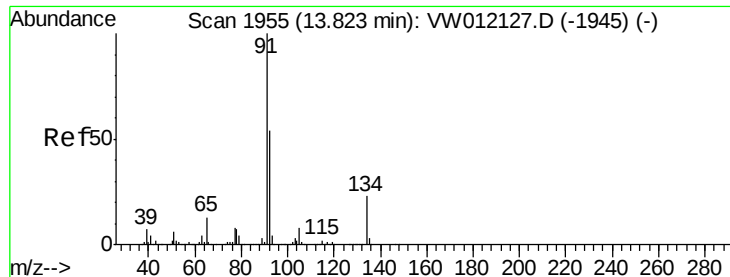
111 40.9 20.0 60.0

148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.205 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

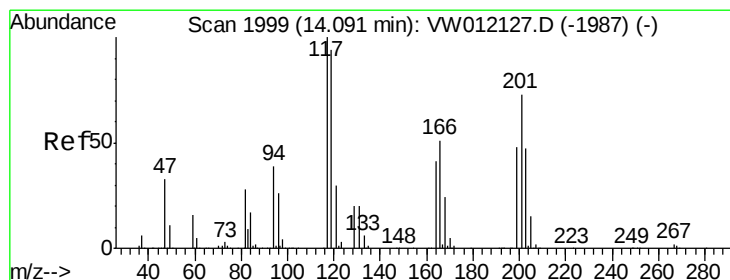
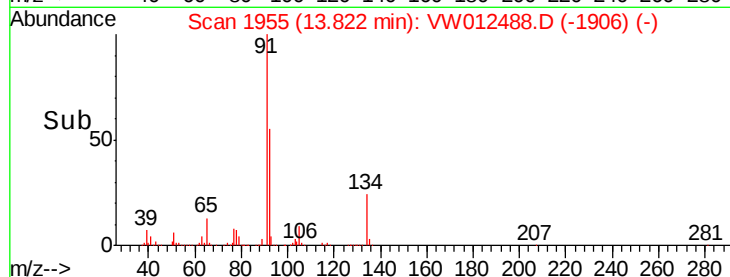
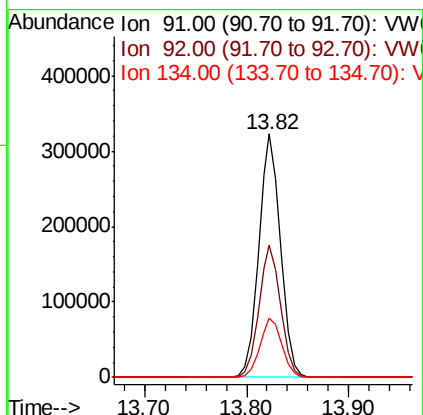
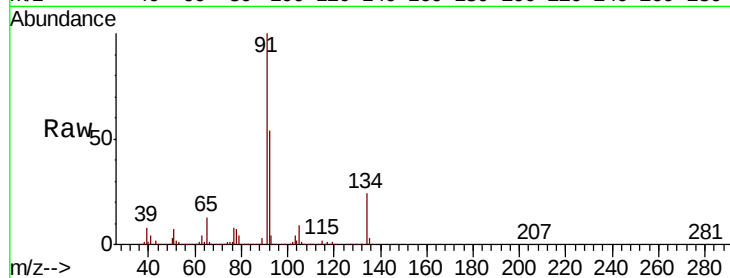
Tgt Ion: 91 Resp: 477426

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 50.239 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012488.D

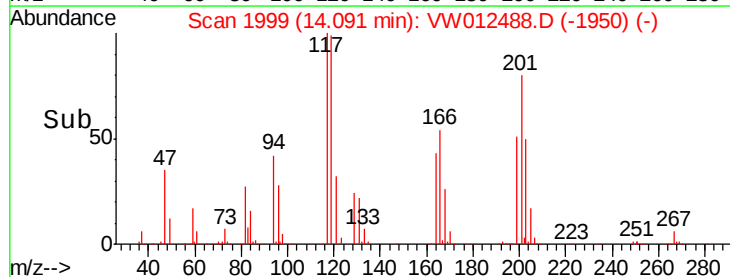
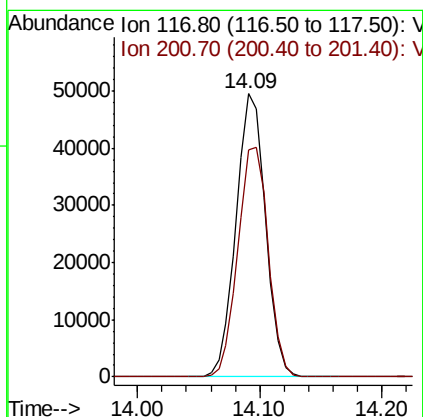
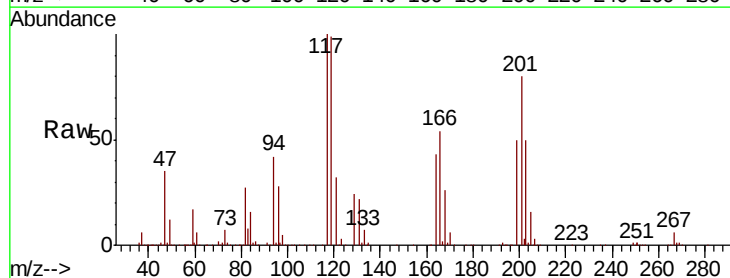
Acq: 02 Sep 2019 10:08

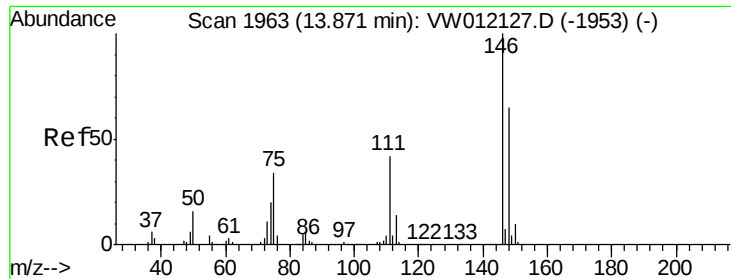
Tgt Ion: 117 Resp: 82642

Ion Ratio Lower Upper

117 100

201 83.6 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 50.343 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

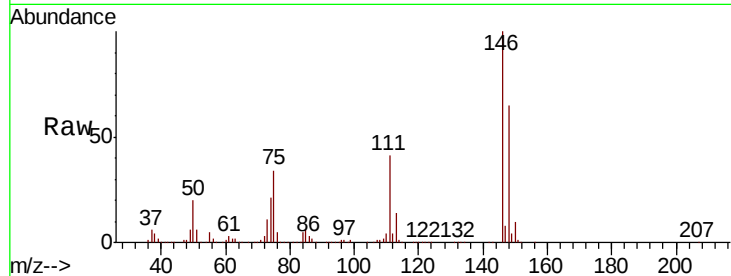
Tgt Ion: 146 Resp: 193475

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

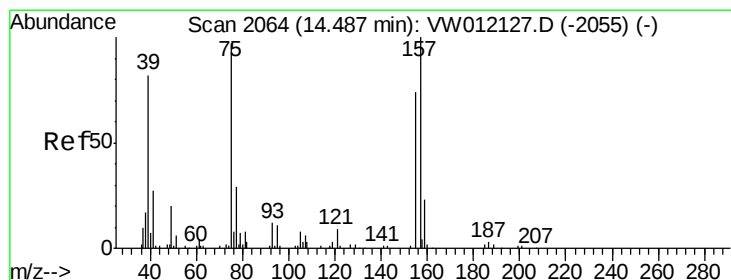
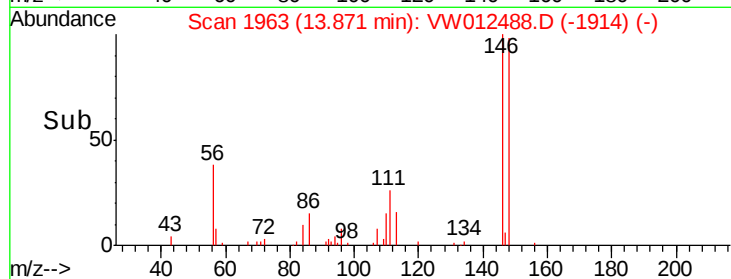
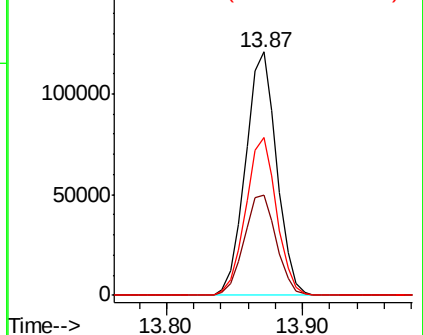
148 64.4 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.583 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012488.D

Acq: 02 Sep 2019 10:08

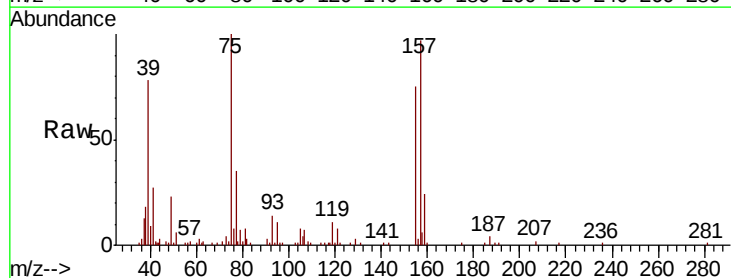
Tgt Ion: 75 Resp: 16185

Ion Ratio Lower Upper

75 100

155 72.7 37.5 112.3

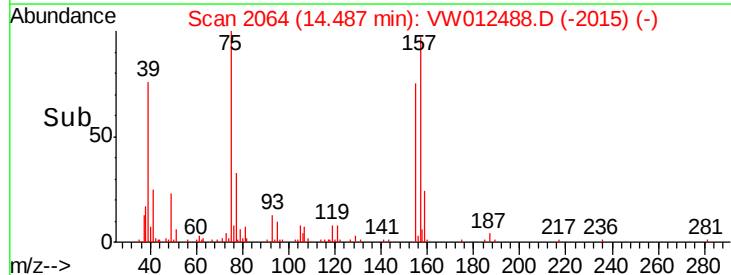
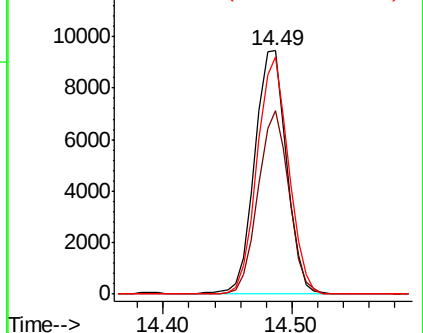
157 95.5 50.5 151.5

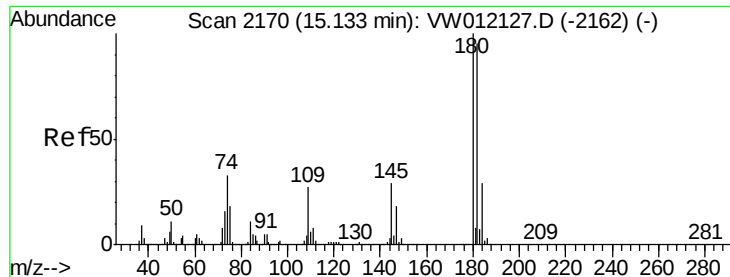


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

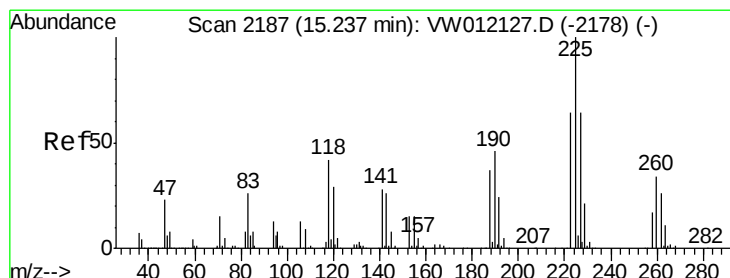
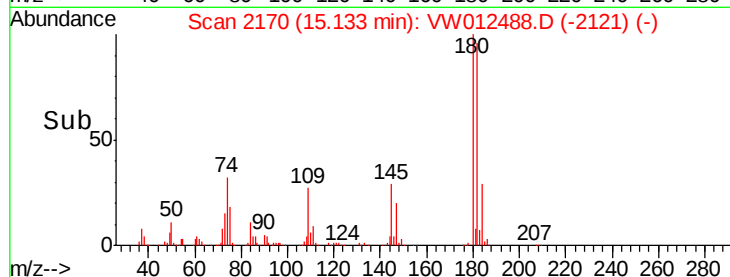
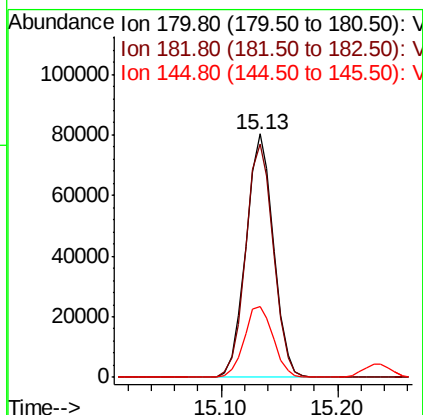
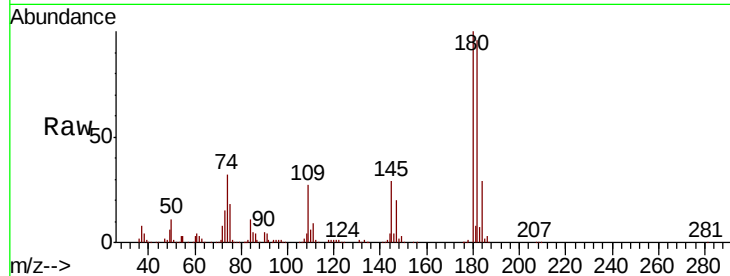




#93
 1,2,4-Trichlorobenzene
 Concen: 49.711 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

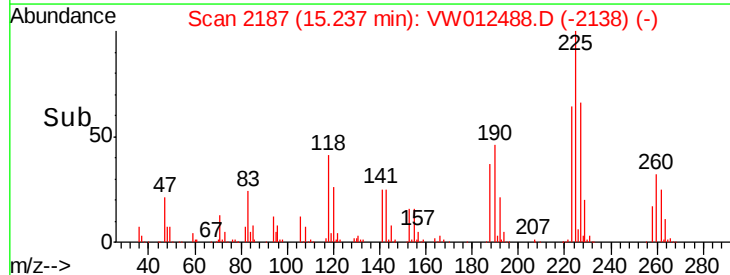
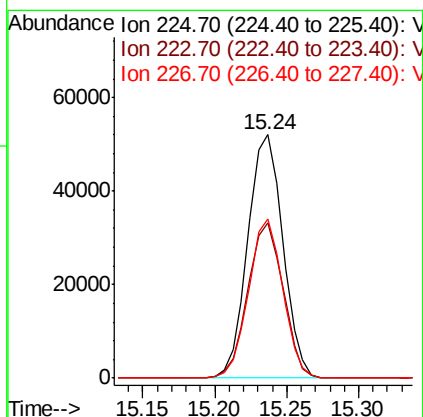
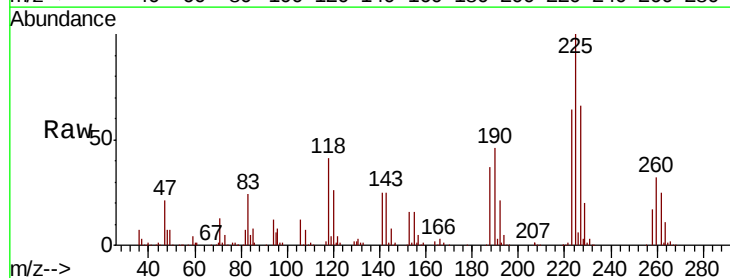
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

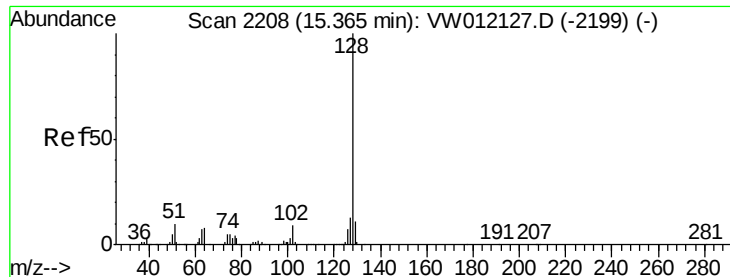
Tgt Ion:180 Resp: 132025
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.8 143.4
 145 30.8 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 50.038 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012488.D
 Acq: 02 Sep 2019 10:08

Tgt Ion:225 Resp: 87749
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.3 96.8
 227 63.7 32.9 98.6

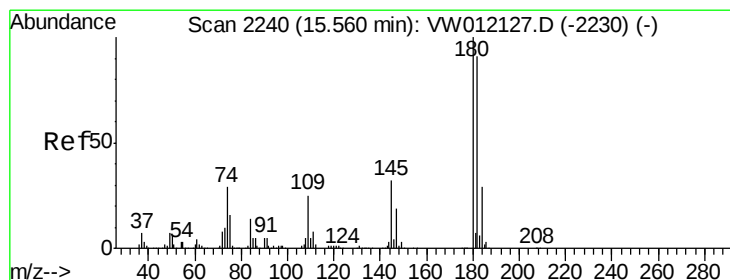
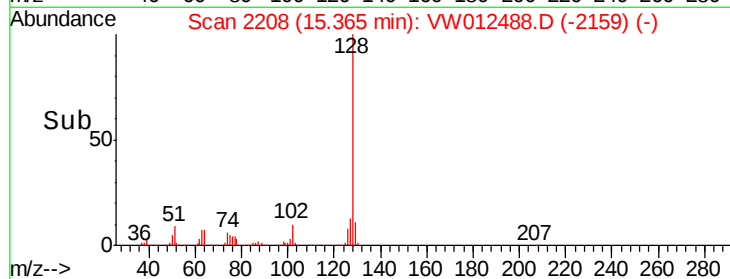
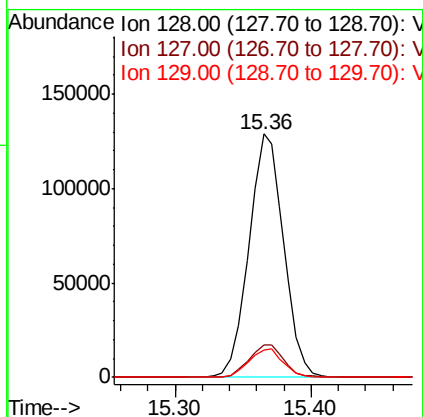
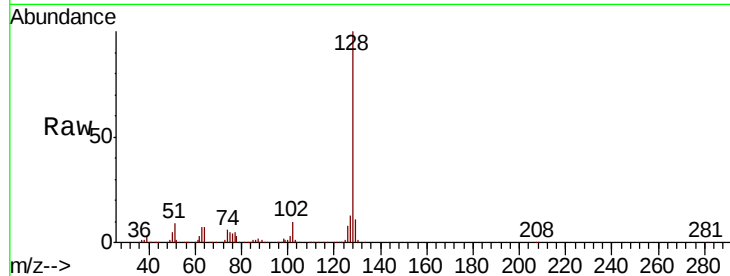




#95
Naphthalene
Concen: 44.600 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 229774
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.641 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012488.D
Acq: 02 Sep 2019 10:08

Tgt Ion:180 Resp: 112709
Ion Ratio Lower Upper
180 100
182 96.2 47.1 141.3
145 32.9 16.2 48.5

