

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015199.D
 Acq On : 15 Apr 2020 13:15
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 15 14:20:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	565713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	976769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	857510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	392007	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	270216	34.72	ug/l	0.00
Spiked Amount			Recovery	=	69.44%	
35) Dibromofluoromethane	7.88	113	273902	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	10.32	98	1123805	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.62	95	393931	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	176350	50.532	ug/l	100
3) Chloromethane	2.21	50	248533	35.242	ug/l	100
4) Vinyl Chloride	2.36	62	315837	34.599	ug/l	100
5) Bromomethane	2.78	94	161423	31.094	ug/l	100
6) Chloroethane	2.92	64	148290	28.822	ug/l	100
7) Trichlorofluoromethane	3.26	101	188605	40.780	ug/l	100
8) Diethyl Ether	3.68	74	155886	43.831	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	307889	42.928	ug/l	100
10) Methyl Iodide	4.28	142	453578	54.518	ug/l	100
11) Tert butyl alcohol	5.17	59	97134	210.191	ug/l	100
12) 1,1-Dichloroethene	4.04	96	315217	44.850	ug/l	100
13) Acrolein	3.89	56	97029	150.737	ug/l	100
14) Allyl chloride	4.67	41	461934	34.342	ug/l	100
15) Acrylonitrile	5.37	53	323652	183.364	ug/l	100
16) Acetone	4.12	43	243426	141.574	ug/l	100
17) Carbon Disulfide	4.38	76	968460	39.649	ug/l	100
18) Methyl Acetate	4.67	43	153631	36.263	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	412180	46.312	ug/l	100
20) Methylene Chloride	4.92	84	318010	37.436	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	331679	44.624	ug/l	100
22) Diisopropyl ether	6.31	45	924370	35.891	ug/l	100
23) Vinyl Acetate	6.25	43	2722434	180.245	ug/l	100
24) 1,1-Dichloroethane	6.21	63	549856	36.081	ug/l	100
25) 2-Butanone	7.17	43	398708	167.099	ug/l	100
26) 2,2-Dichloropropane	7.17	77	354038	39.857	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	352565	45.477	ug/l	100
28) Bromochloromethane	7.51	49	213590	30.185	ug/l	100
29) Tetrahydrofuran	7.52	42	264037	176.400	ug/l	100
30) Chloroform	7.67	83	535985	39.127	ug/l	100
31) Cyclohexane	7.95	56	564542	35.944	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	446562	41.469	ug/l	100
36) 1,1-Dichloropropene	8.08	75	454399	41.858	ug/l	100
37) Ethyl Acetate	7.25	43	185850	35.308	ug/l	100
38) Carbon Tetrachloride	8.07	117	424088	46.816	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	619970	48.844	ug/l	100
40) Benzene	8.32	78	1295264	42.635	ug/l	100
41) Methacrylonitrile	7.48	41	110607	39.230	ug/l	100
42) 1,2-Dichloroethane	8.40	62	330697	36.616	ug/l	100
43) Isopropyl Acetate	8.42	43	377314	39.547	ug/l	100
44) Trichloroethene	9.09	130	342005	51.072	ug/l	100
45) 1,2-Dichloropropane	9.37	63	321684	39.819	ug/l	100
46) Dibromomethane	9.46	93	160557	44.747	ug/l	100
47) Bromodichloromethane	9.64	83	420119	44.005	ug/l	100
48) Methyl methacrylate	9.43	41	182169	41.289	ug/l	100
49) 1,4-Dioxane	9.45	88	49830	927.317	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	944738	180.852	ug/l	100
52) Toluene	10.38	92	828474	46.914	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	433169	46.097	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	514532	45.012	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	229269	46.507	ug/l	100
56) Ethyl methacrylate	10.65	69	317338	49.997	ug/l	100
57) 1,3-Dichloropropane	10.93	76	399407	43.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	776855	214.375	ug/l	100
59) 2-Hexanone	10.96	43	635848	196.214	ug/l	100
60) Dibromochloromethane	11.13	129	277100	53.157	ug/l	100
61) 1,2-Dibromoethane	11.23	107	220215	49.772	ug/l	100
64) Tetrachloroethene	10.86	164	262063	52.716	ug/l	100
65) Chlorobenzene	11.66	112	843557	49.415	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	292149	51.103	ug/l	100
67) Ethyl Benzene	11.73	91	1597349	48.640	ug/l	100
68) m/p-Xylenes	11.83	106	1218525	103.740	ug/l	100
69) o-Xylene	12.16	106	572845	53.791	ug/l	100
70) Styrene	12.18	104	974628	53.670	ug/l	100
71) Bromoform	12.35	173	147515	57.182	ug/l #	100
73) Isopropylbenzene	12.46	105	1541972	51.975	ug/l	100
74) N-amyl acetate	12.27	43	363492	43.198	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	262072	44.520	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	164260m	38.039	ug/l	
77) Bromobenzene	12.74	156	326471	54.746	ug/l	100
78) n-propylbenzene	12.80	91	1891471	49.582	ug/l	100
79) 2-Chlorotoluene	12.89	91	1046183	48.720	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1302907	51.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	95573	49.626	ug/l	100
82) 4-Chlorotoluene	12.99	91	1100191	48.099	ug/l	100
83) tert-Butylbenzene	13.21	119	1134391	54.466	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1296779	51.017	ug/l	100
85) sec-Butylbenzene	13.38	105	1617825	51.804	ug/l	100
86) p-Isopropyltoluene	13.49	119	1440057	53.445	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	636807	50.914	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	636493	51.547	ug/l	100
89) n-Butylbenzene	13.82	91	1438975	50.237	ug/l	100
90) Hexachloroethane	14.09	117	279549	51.365	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	575355	52.379	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	42609	44.960	ug/l	100

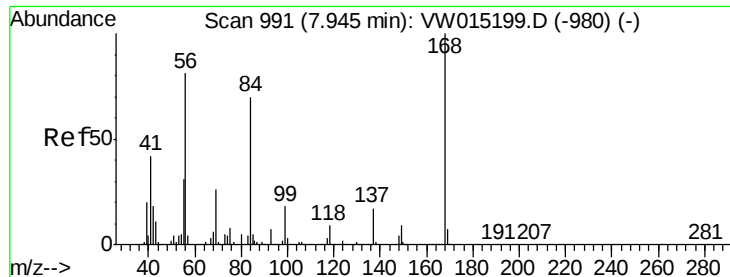
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	389360	60.685	ug/l	100
94) Hexachlorobutadiene	15.24	225	223633	55.764	ug/l	100
95) Naphthalene	15.36	128	787377	65.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	336723	59.258	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

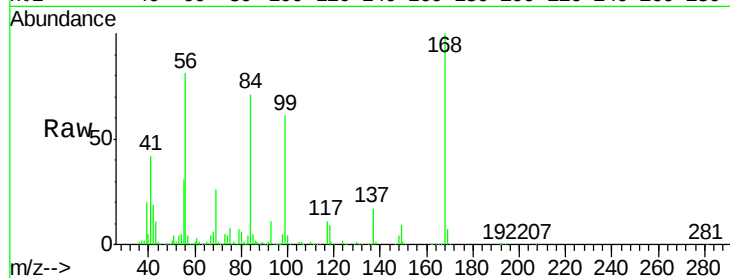
VSTDICCC050

Tot Ion:168 Resp: 565713

Ion Ratio Lower Upper

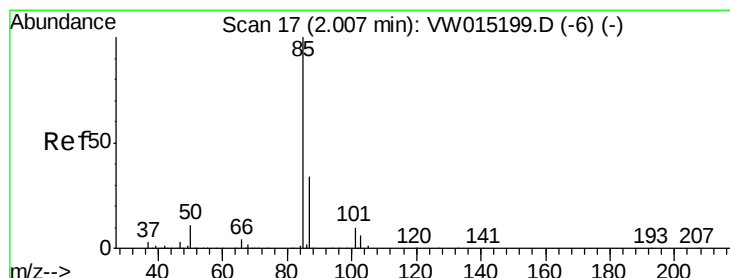
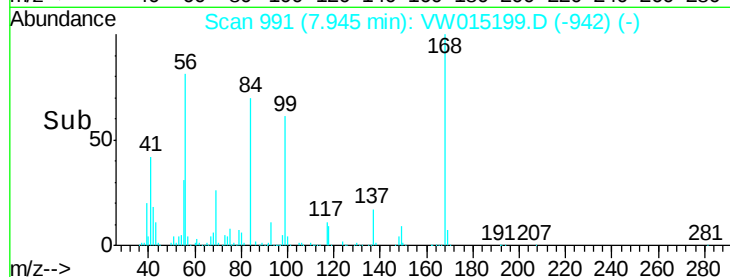
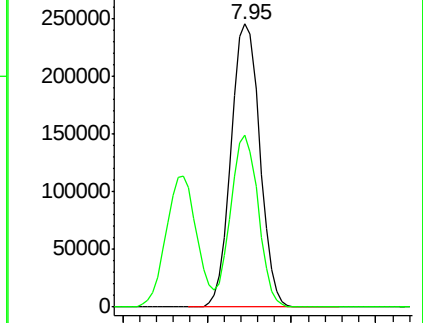
168 100

99 60.6 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.532 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015199.D

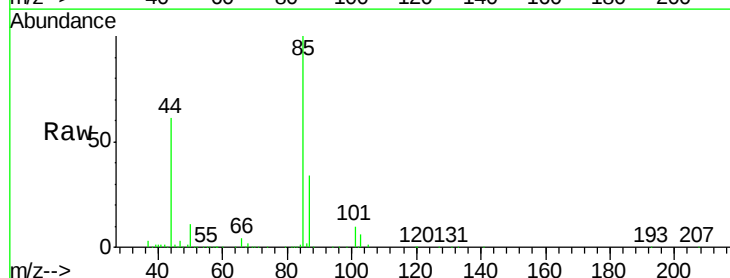
Acq: 15 Apr 2020 13:15

Tgt Ion: 85 Resp: 176350

Ion Ratio Lower Upper

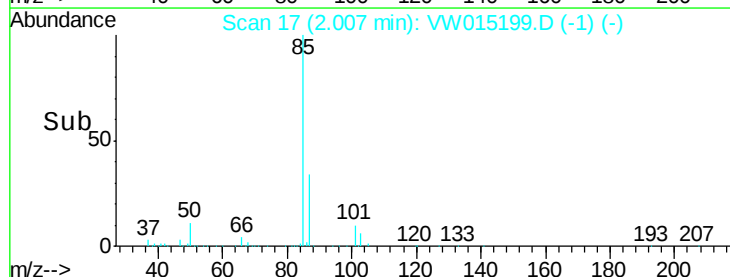
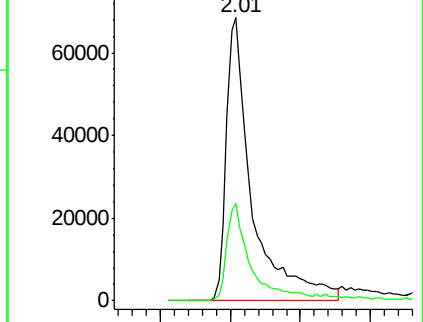
85 100

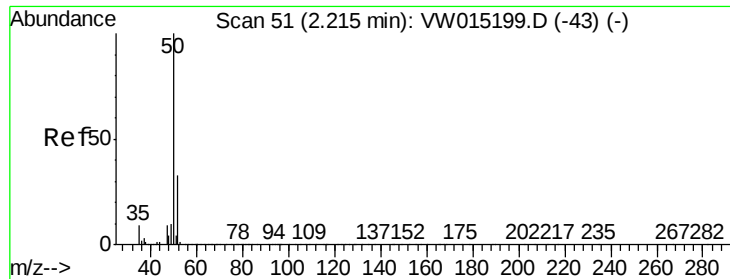
87 34.4 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 35.242 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

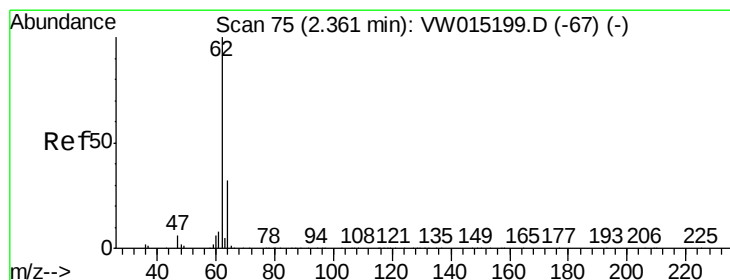
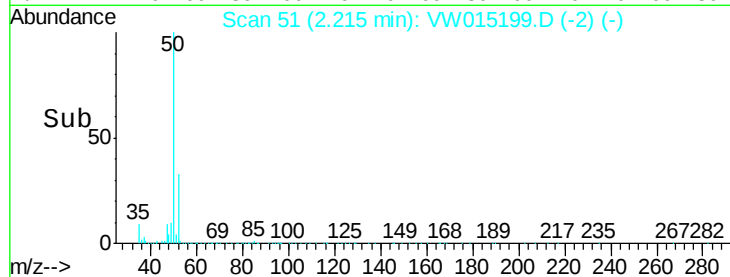
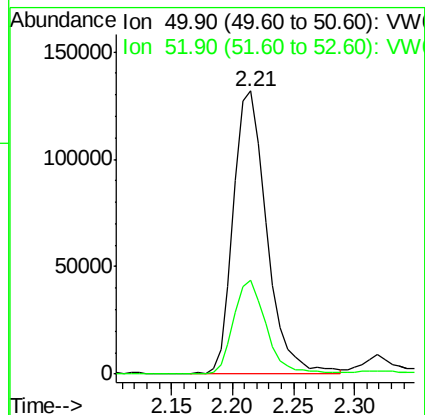
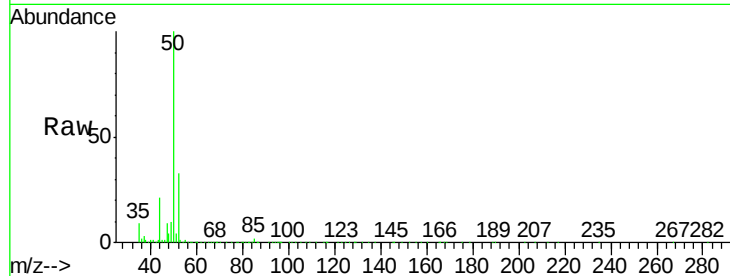
VSTDICCC050

Tot Ion: 50 Resp: 248533

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 34.599 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015199.D

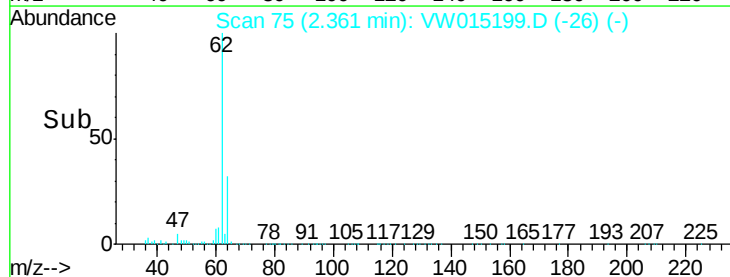
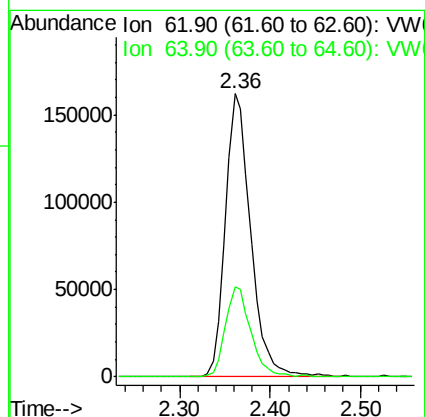
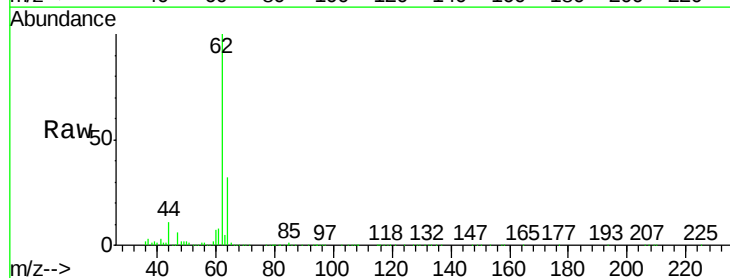
Acq: 15 Apr 2020 13:15

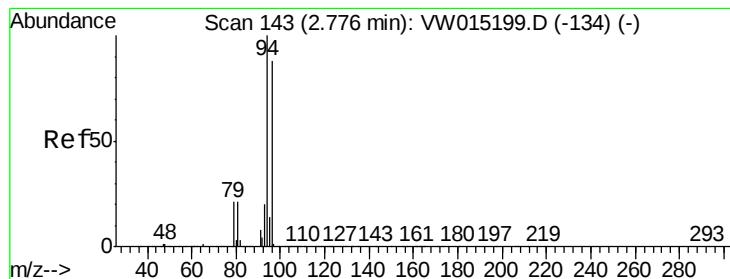
Tgt Ion: 62 Resp: 315837

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 31.094 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

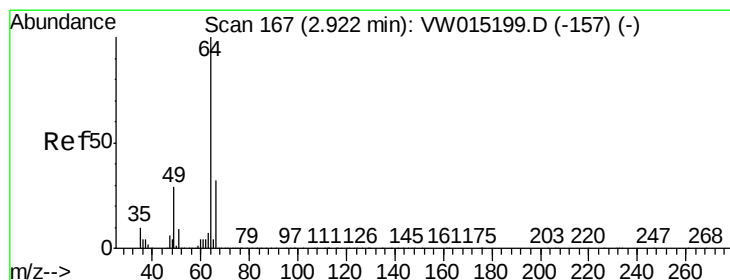
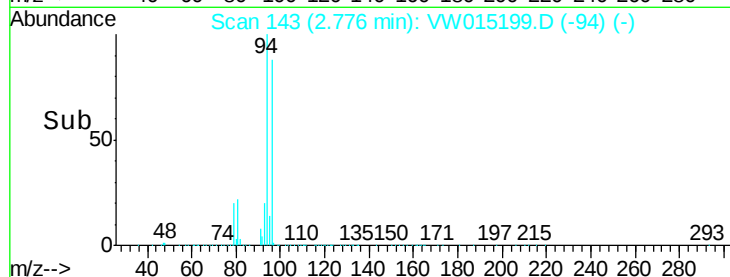
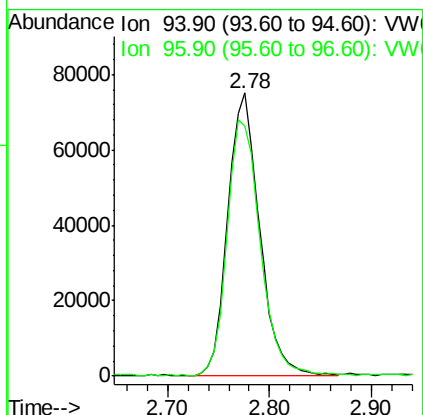
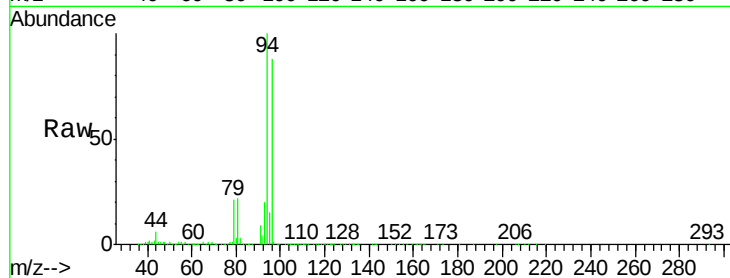
VSTDICCC050

Tot Ion: 94 Resp: 161423

Ion Ratio Lower Upper

94 100

96 88.0 70.4 105.6



#6

Chloroethane

Concen: 28.822 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015199.D

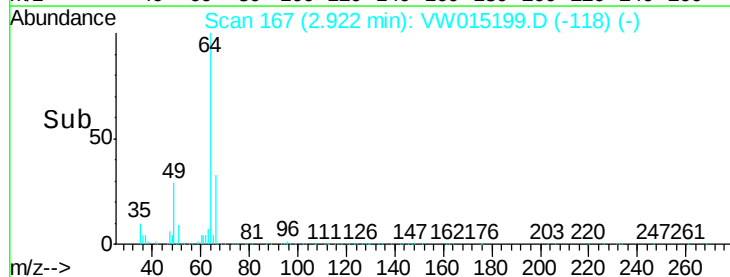
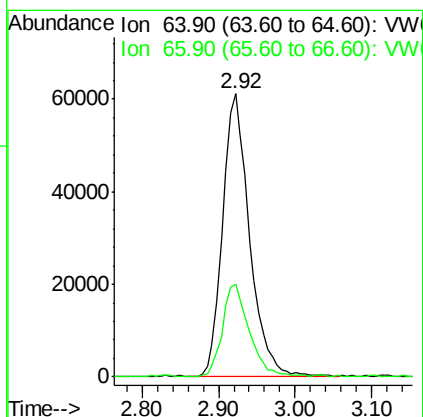
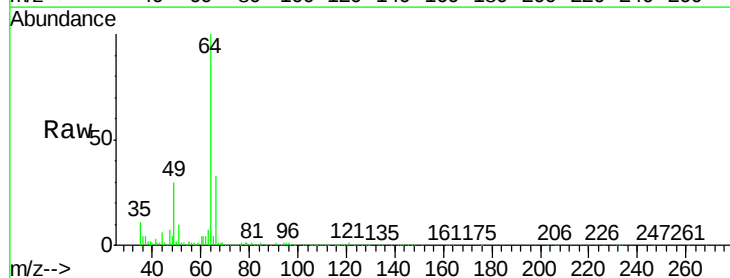
Acq: 15 Apr 2020 13:15

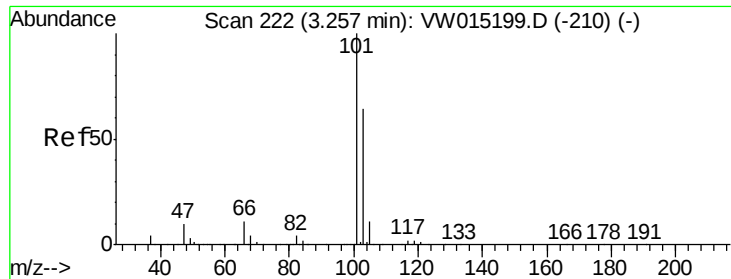
Tgt Ion: 64 Resp: 148290

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



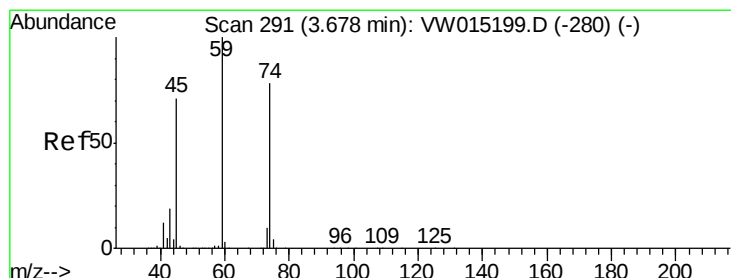
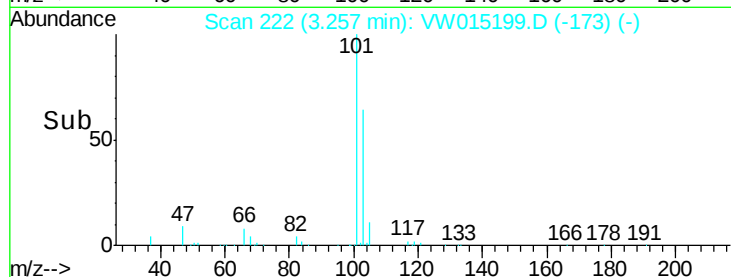
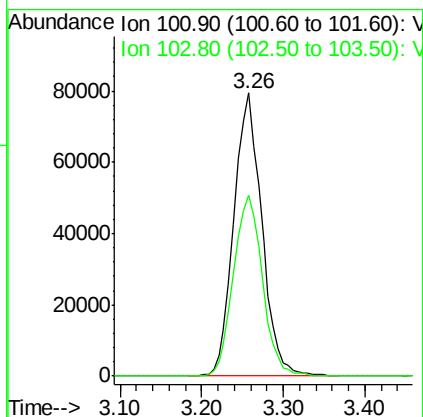
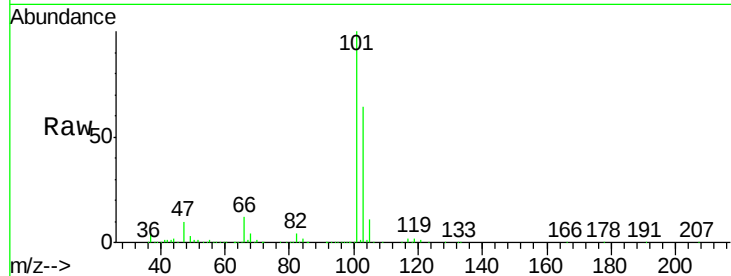


#7

Trichlorofluoromethane
 Concen: 40.780 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

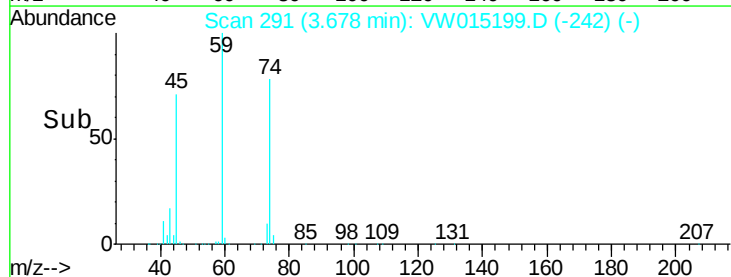
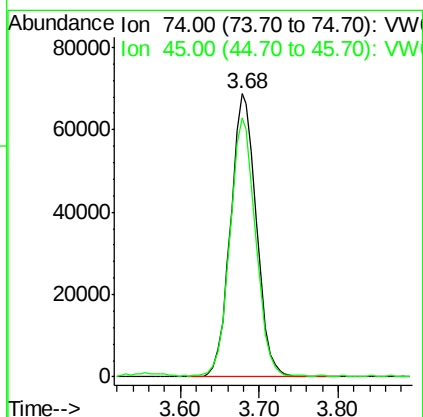
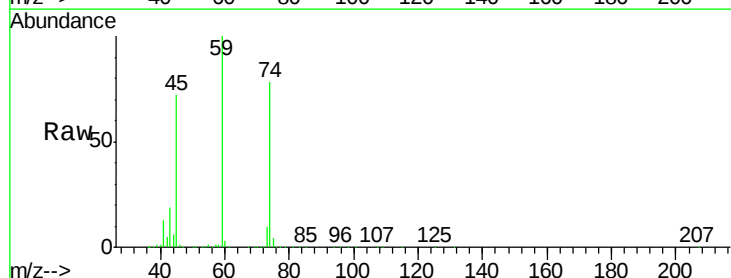
Tot Ion:101 Resp: 188605
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.3 76.9

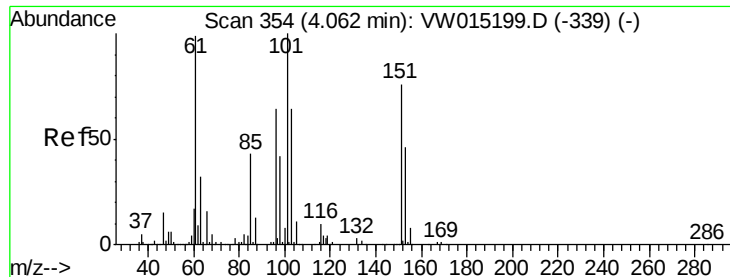


#8

Diethyl Ether
 Concen: 43.831 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion: 74 Resp: 155886
 Ion Ratio Lower Upper
 74 100
 45 91.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.928 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

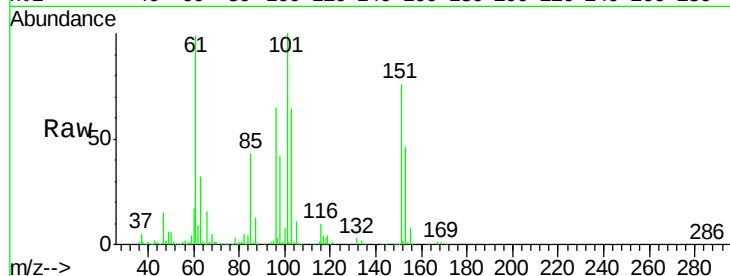
Tot Ion:101 Resp: 307889

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

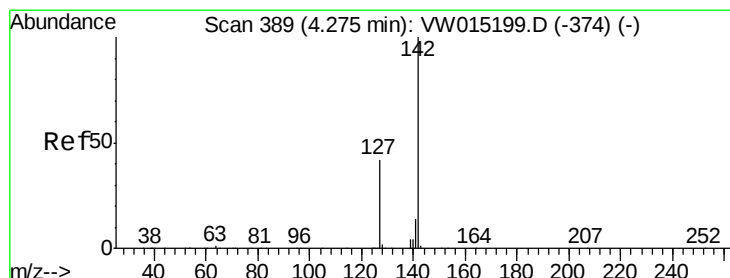
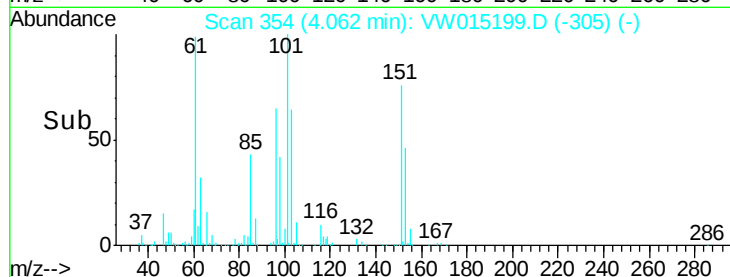
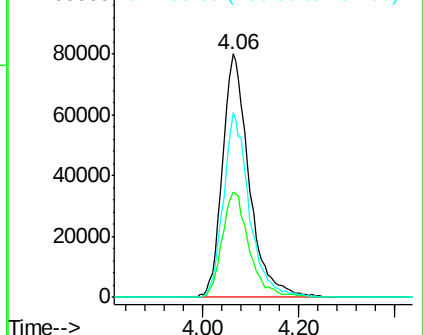
151 74.1 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.518 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

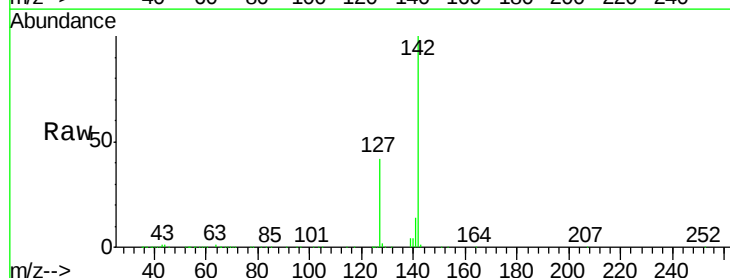
Tgt Ion:142 Resp: 453578

Ion Ratio Lower Upper

142 100

127 42.4 33.9 50.9

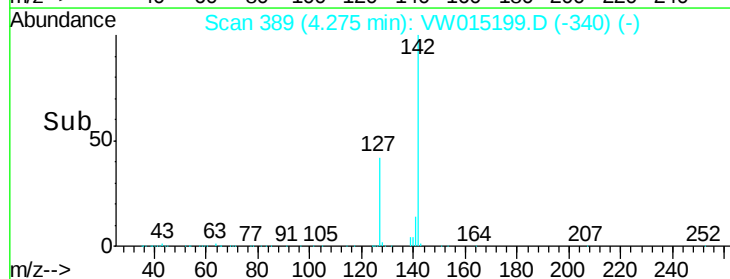
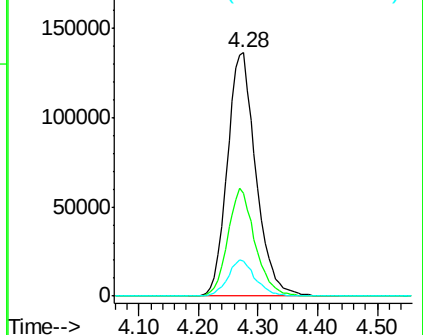
141 14.3 11.4 17.2

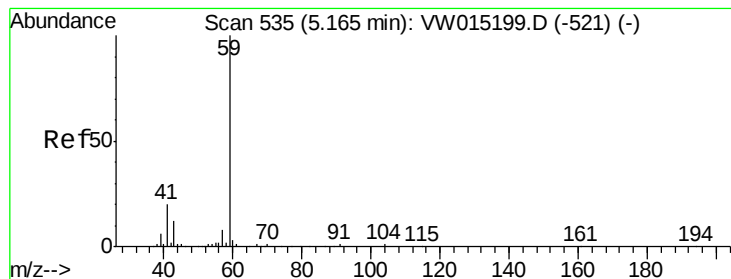


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



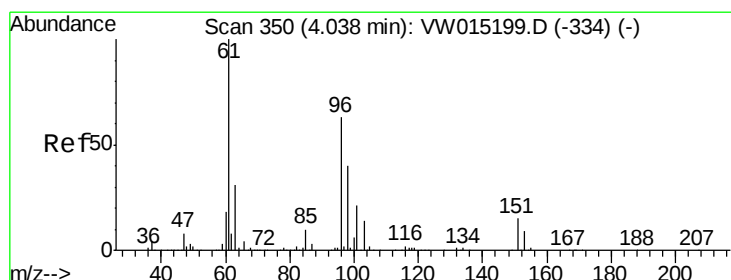
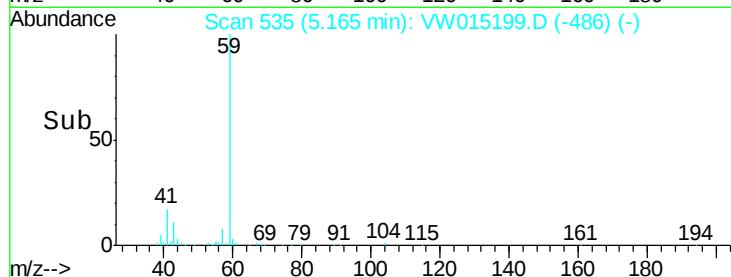
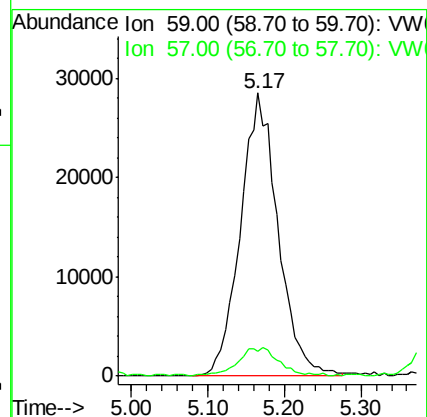
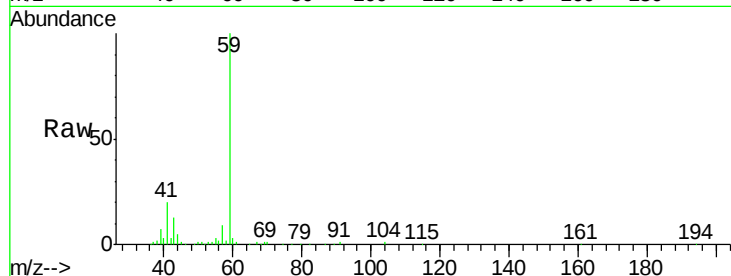


#11

Tert butyl alcohol
 Concen: 210.191 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

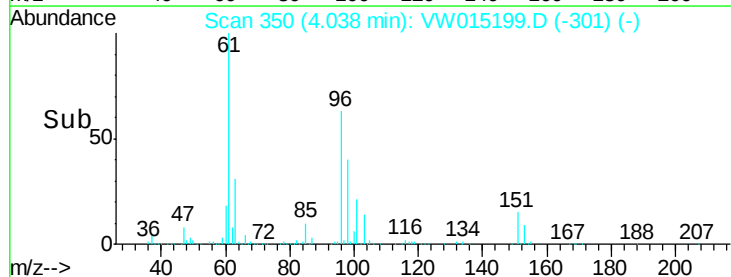
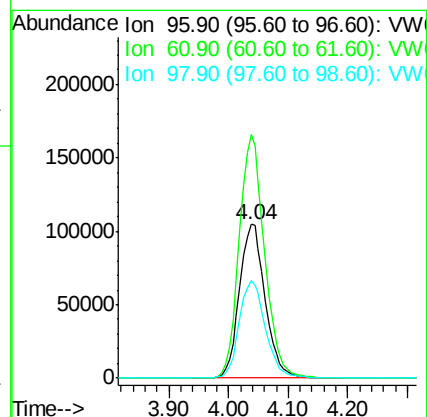
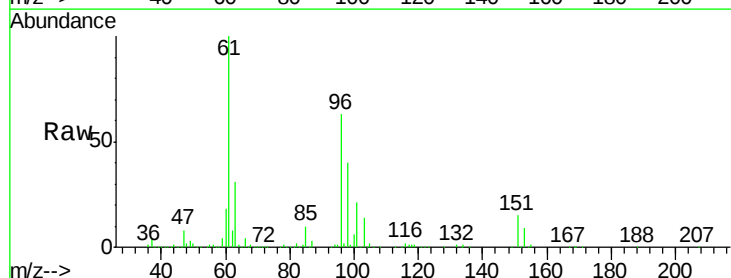
Tot Ion: 59 Resp: 97134
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

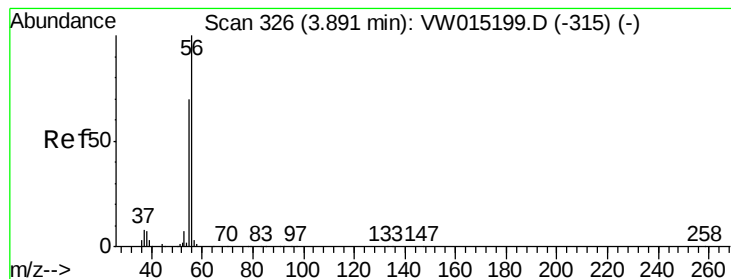


#12

1,1-Dichloroethene
 Concen: 44.850 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion: 96 Resp: 315217
 Ion Ratio Lower Upper
 96 100
 61 158.7 127.0 190.4
 98 63.7 51.0 76.4





#13

Acrolein

Concen: 150.737 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

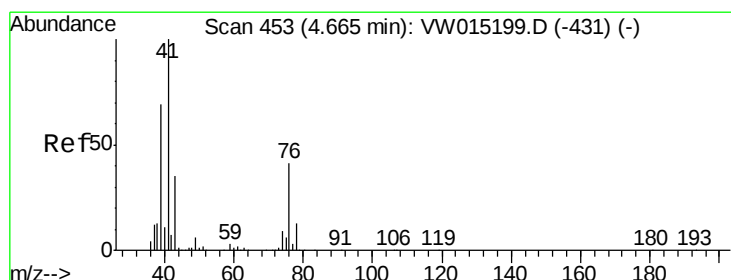
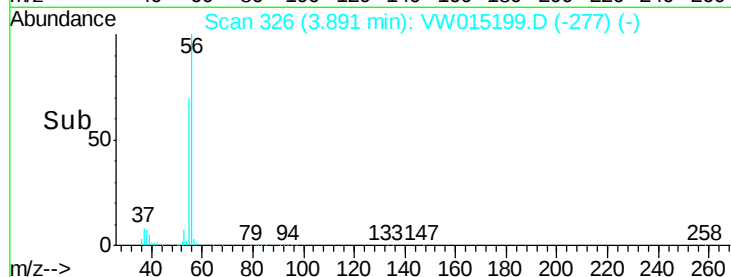
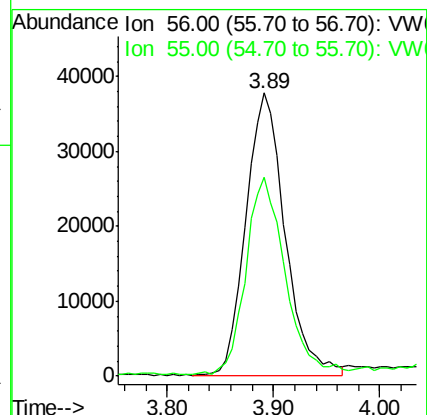
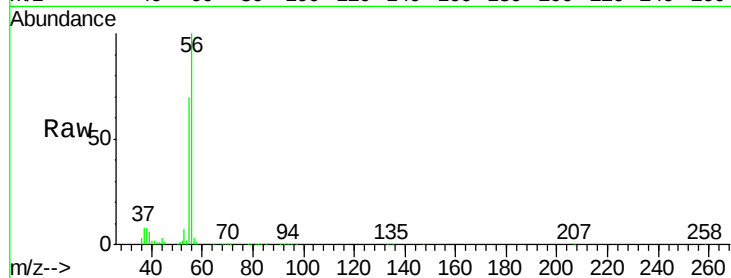
VSTDICCC050

Tot Ion: 56 Resp: 97029

Ion Ratio Lower Upper

56 100

55 70.2 56.2 84.2



#14

Allyl chloride

Concen: 34.342 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

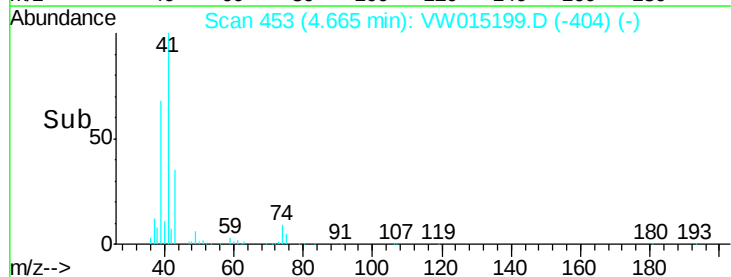
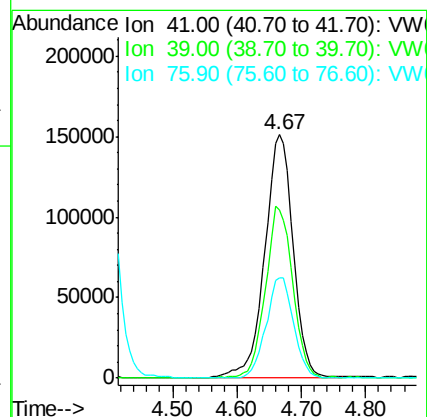
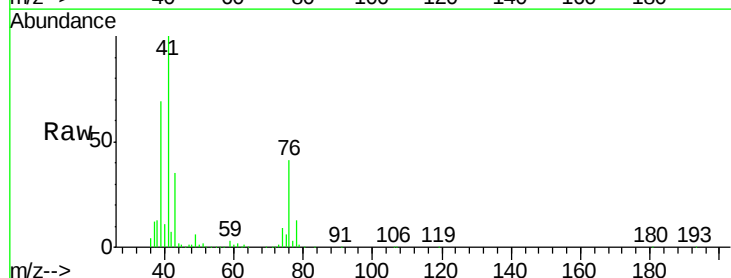
Tgt Ion: 41 Resp: 461934

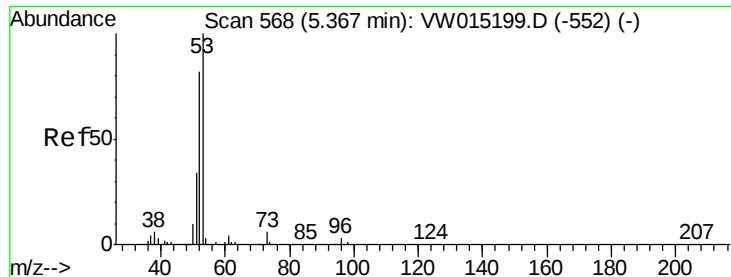
Ion Ratio Lower Upper

41 100

39 67.5 54.0 81.0

76 39.7 31.8 47.6





#15

Acrylonitrile

Concen: 183.364 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

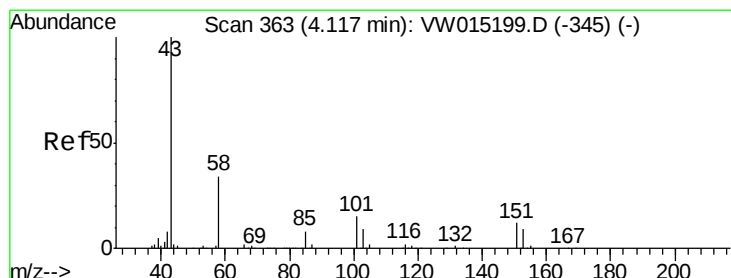
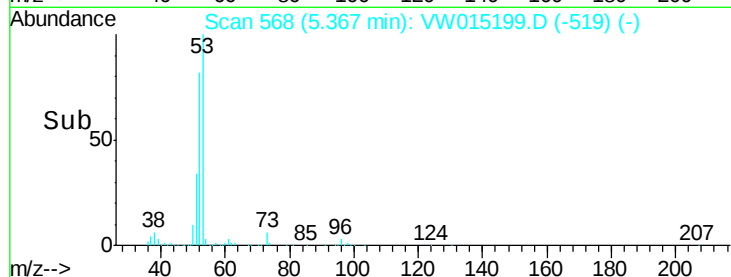
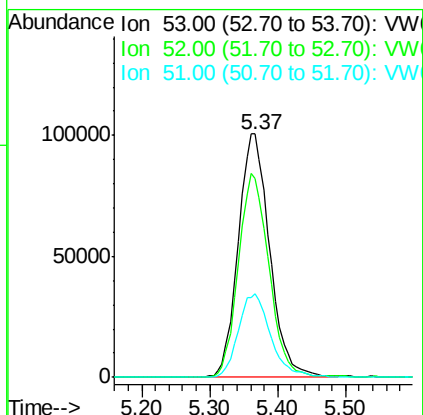
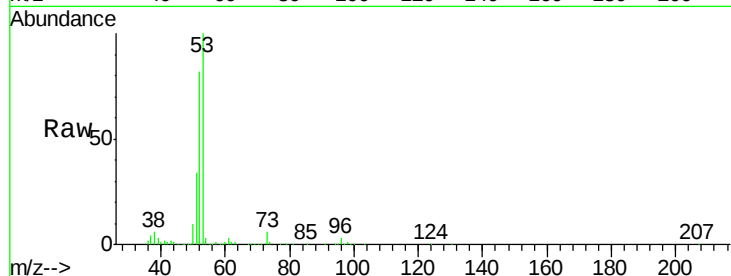
Tot Ion: 53 Resp: 323652

Ion Ratio Lower Upper

53 100

52 81.5 65.2 97.8

51 35.3 28.2 42.4



#16

Acetone

Concen: 141.574 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW015199.D

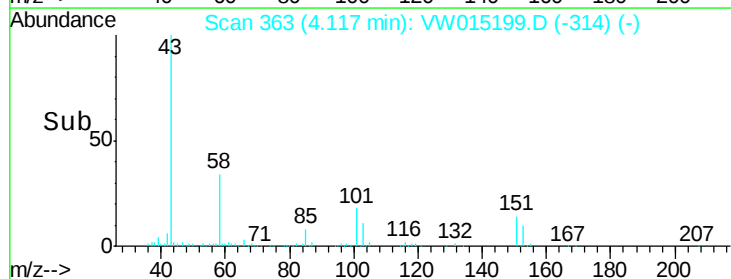
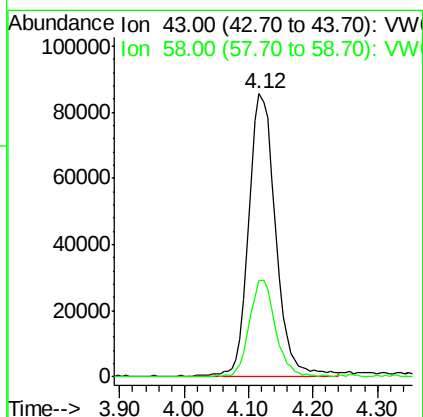
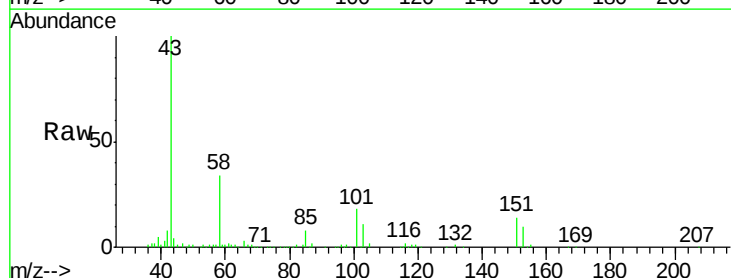
Acq: 15 Apr 2020 13:15

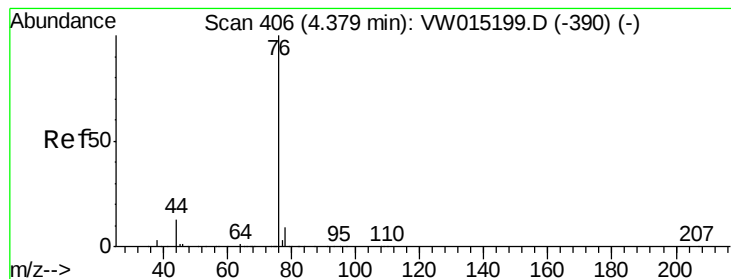
Tgt Ion: 43 Resp: 243426

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4





#17

Carbon Disulfide

Concen: 39.649 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

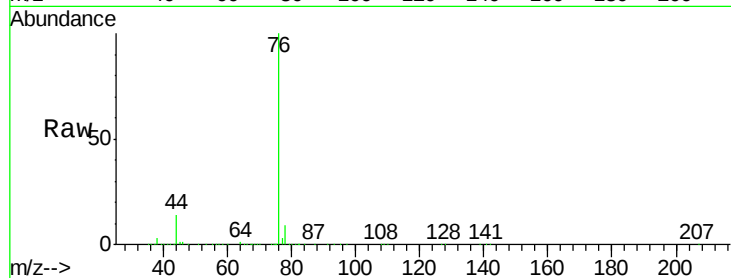
VSTDICCC050

Tot Ion: 76 Resp: 968460

Ion Ratio Lower Upper

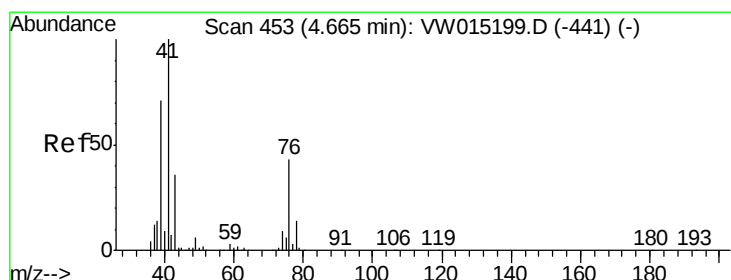
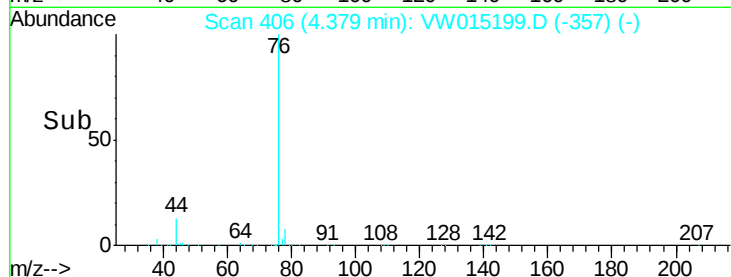
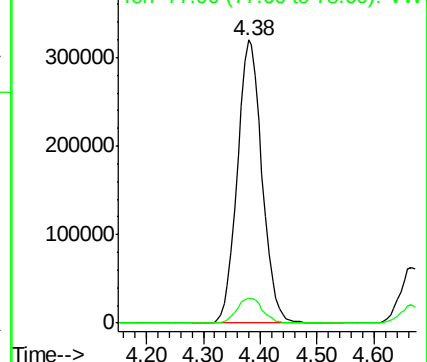
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 36.263 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015199.D

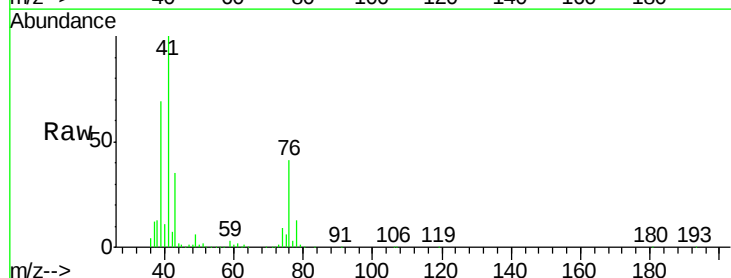
Acq: 15 Apr 2020 13:15

Tgt Ion: 43 Resp: 153631

Ion Ratio Lower Upper

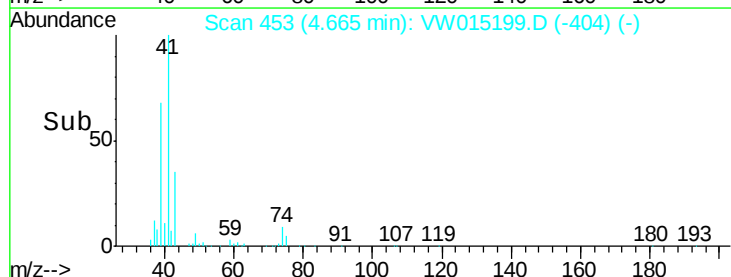
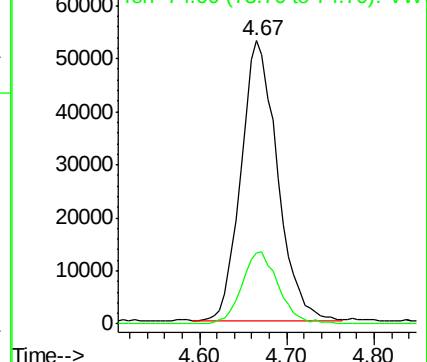
43 100

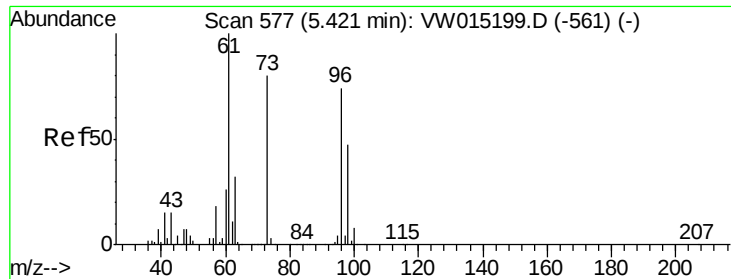
74 25.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

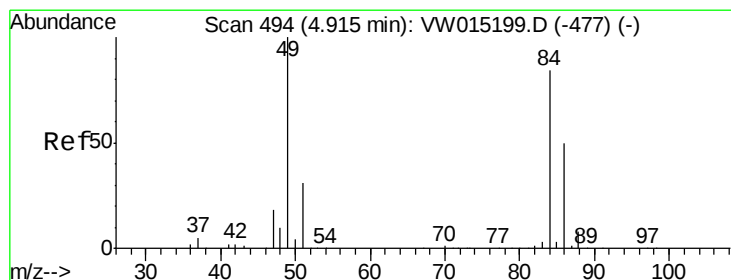
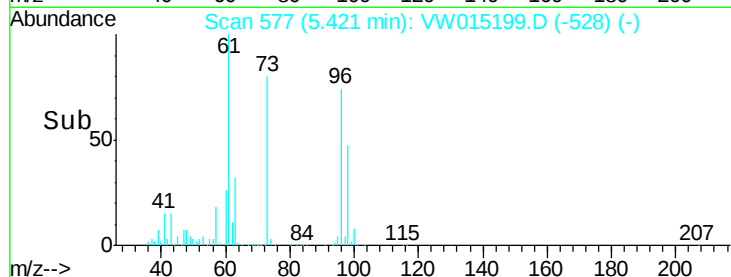
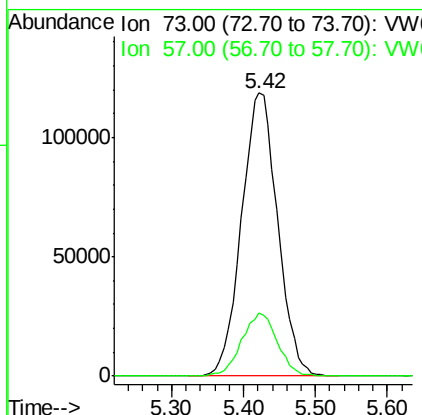
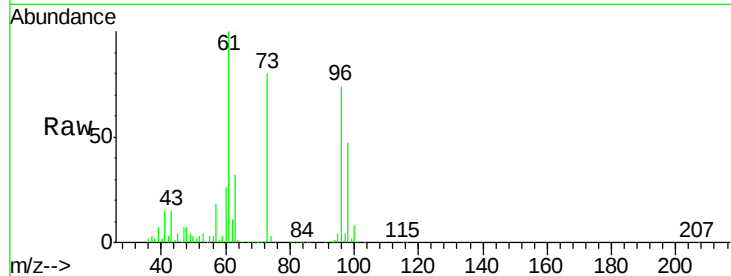




#19
Methvl tert-butvl Ether
Concen: 46.312 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

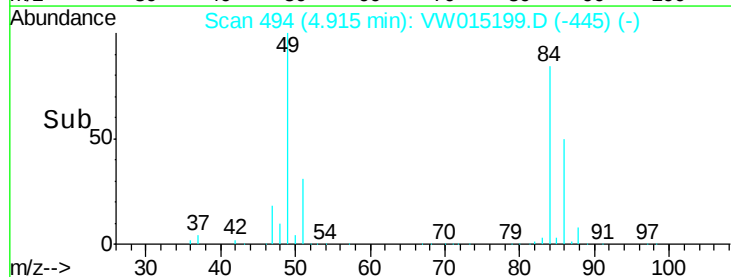
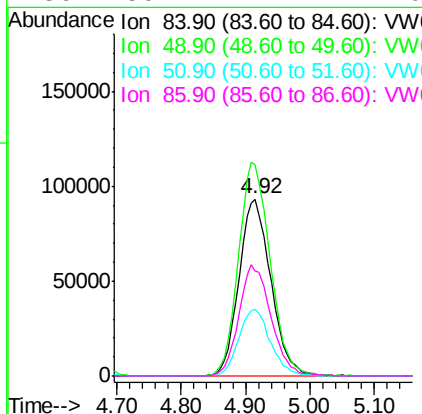
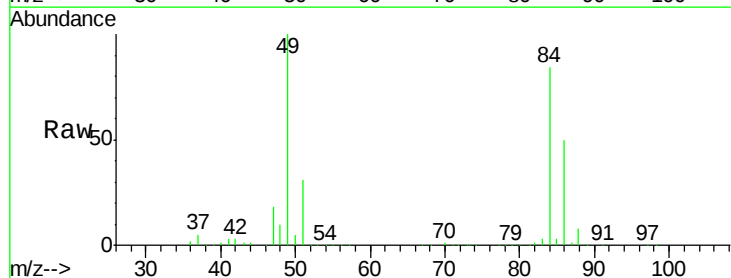
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

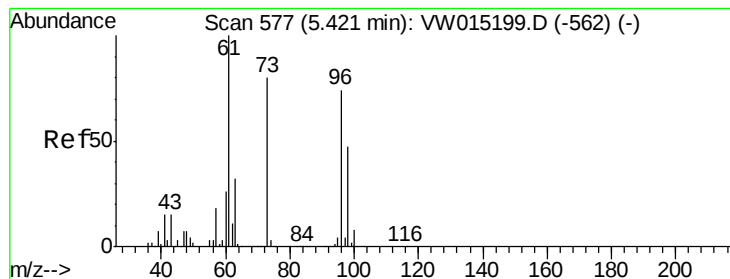
Tot Ion: 73 Resp: 412180
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6



#20
Methylene Chloride
Concen: 37.436 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 84 Resp: 318010
Ion Ratio Lower Upper
84 100
49 119.2 95.4 143.0
51 37.3 29.8 44.8
86 59.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 44.624 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

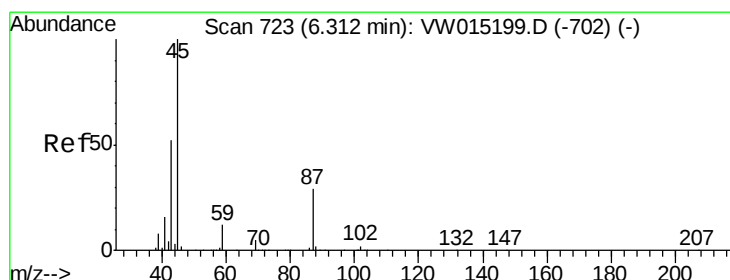
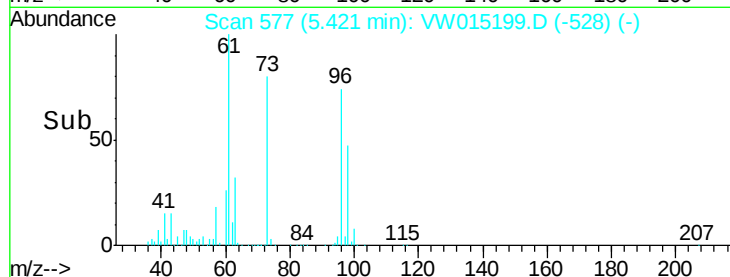
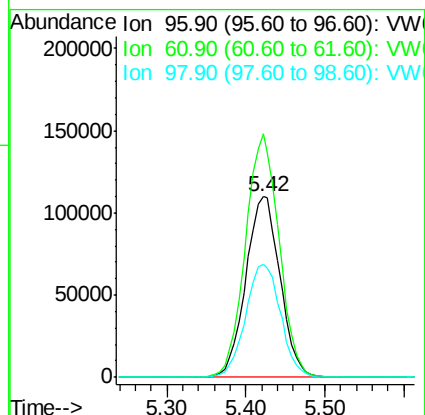
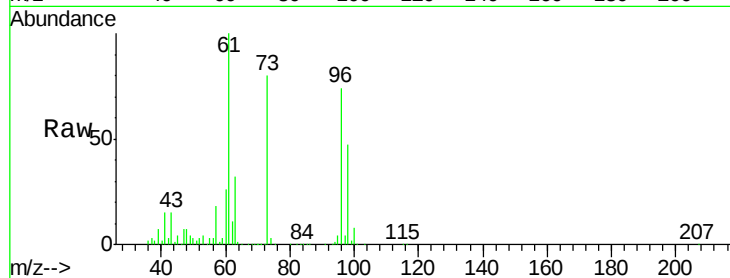
Tot Ion: 96 Resp: 331679

Ion Ratio Lower Upper

96 100

61 134.7 107.8 161.6

98 62.7 50.2 75.2



#22

Diisopropyl ether

Concen: 35.891 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Tgt Ion: 45 Resp: 924370

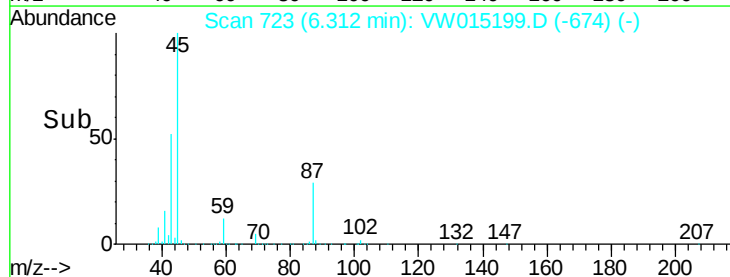
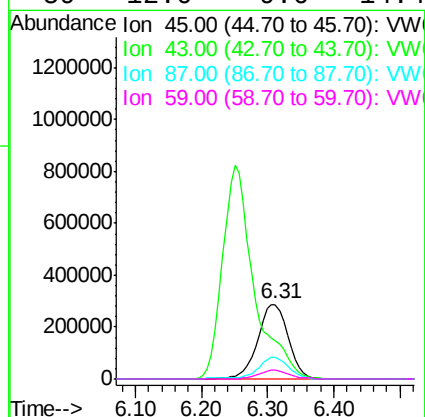
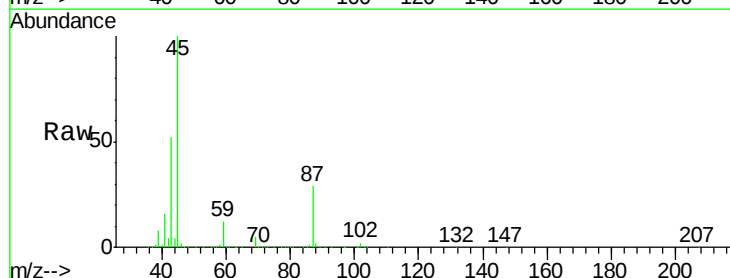
Ion Ratio Lower Upper

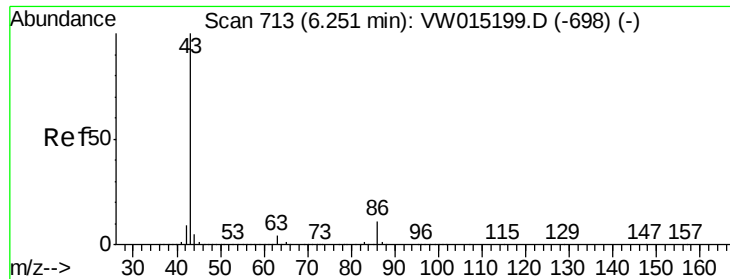
45 100

43 52.2 41.8 62.6

87 29.0 23.2 34.8

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 180.245 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

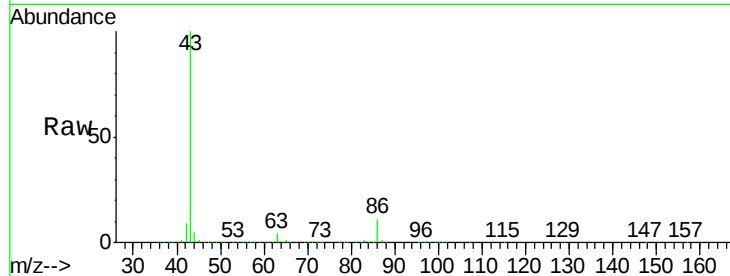
VSTDICCC050

Tot Ion: 43 Resp: 2722434

Ion Ratio Lower Upper

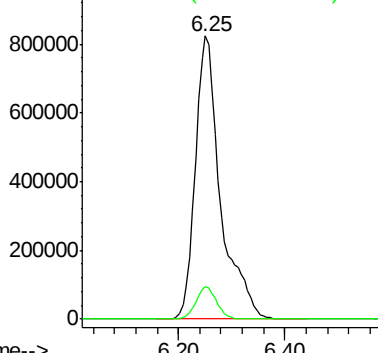
43 100

86 11.4 9.1 13.7

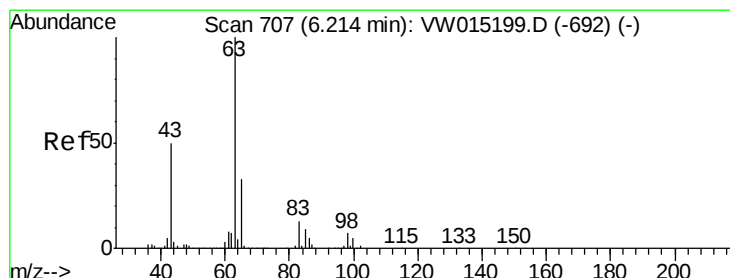
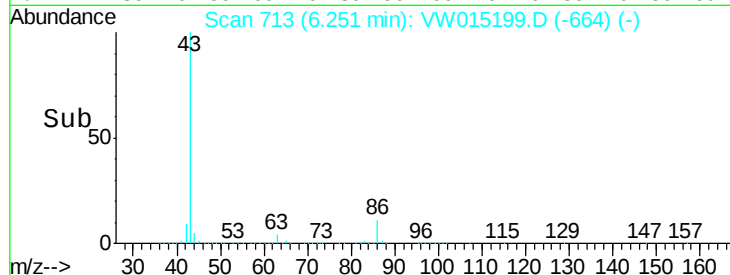


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 36.081 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

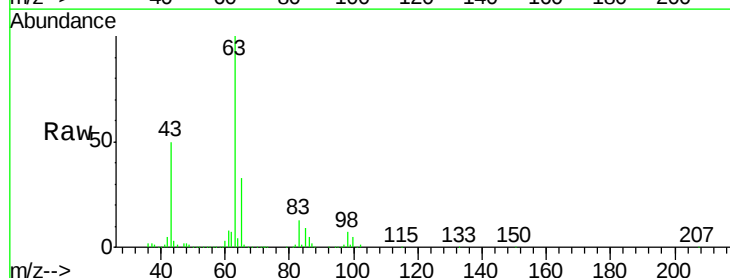
Tgt Ion: 63 Resp: 549856

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

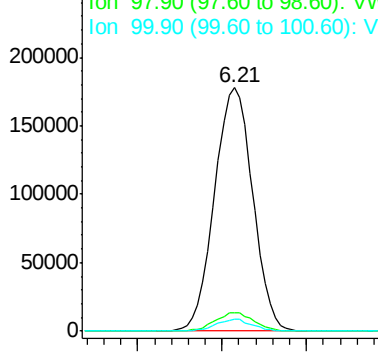
100 4.8 2.4 7.2



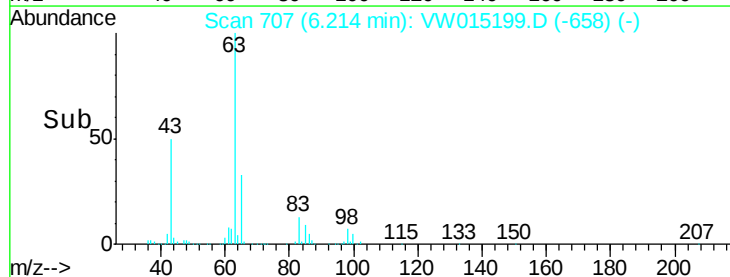
Abundance Ion 62.90 (62.60 to 63.60): VW

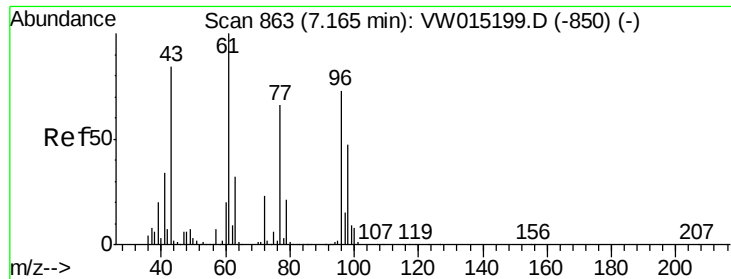
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 167.099 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

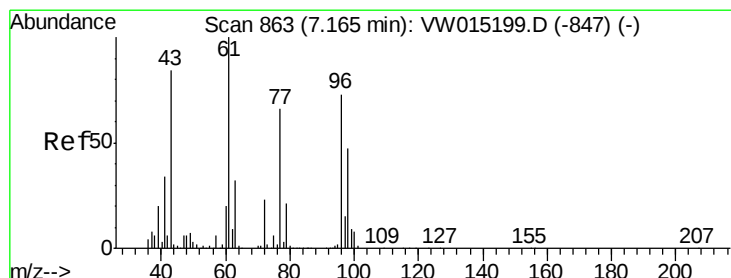
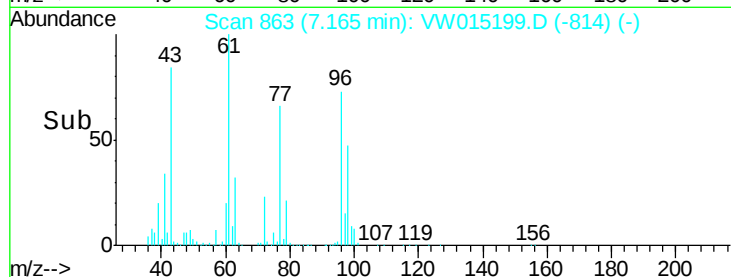
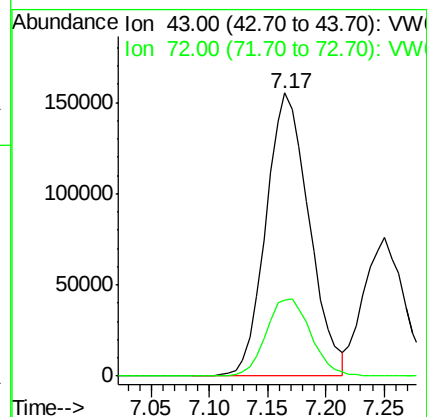
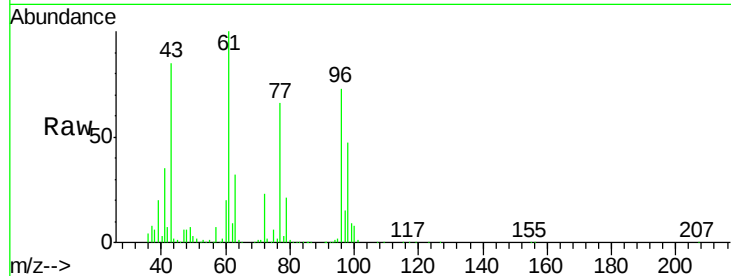
VSTDICCC050

Tot Ion: 43 Resp: 398708

Ion Ratio Lower Upper

43 100

72 27.0 21.6 32.4



#26

2,2-Dichloropropane

Concen: 39.857 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015199.D

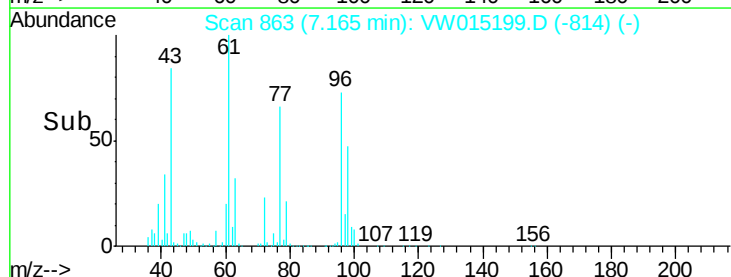
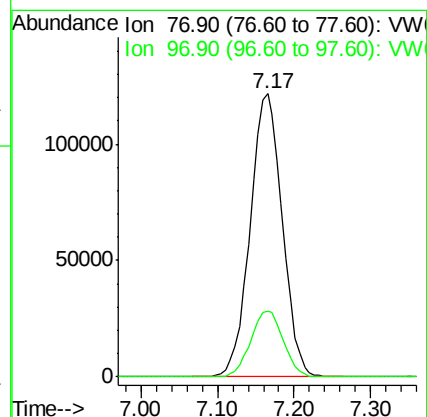
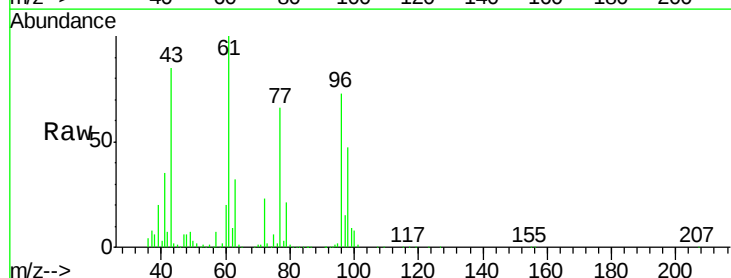
Acq: 15 Apr 2020 13:15

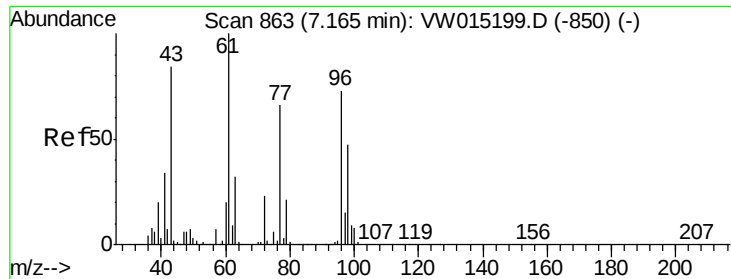
Tgt Ion: 77 Resp: 354038

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5



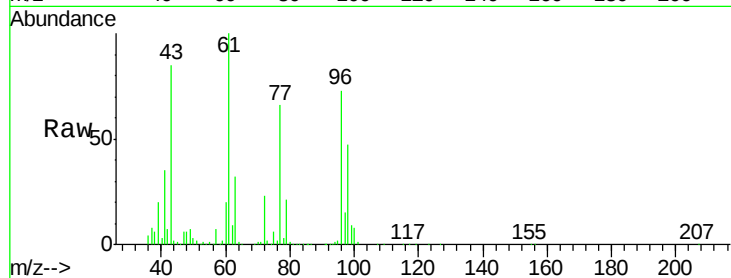


#27

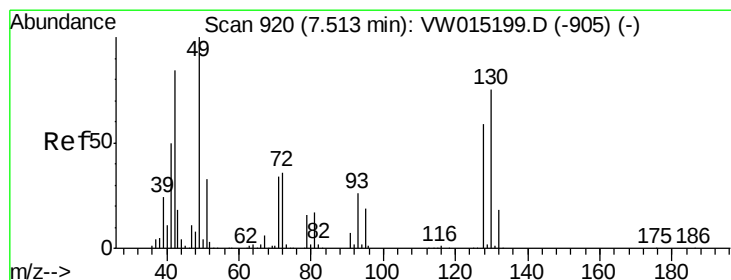
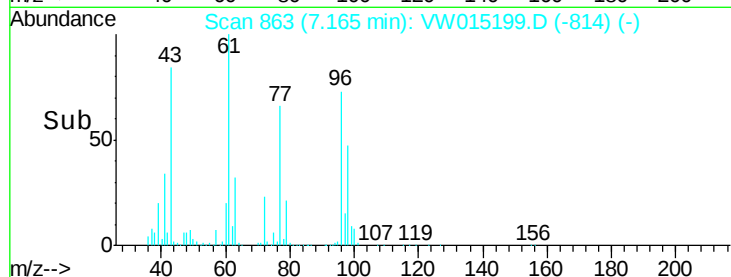
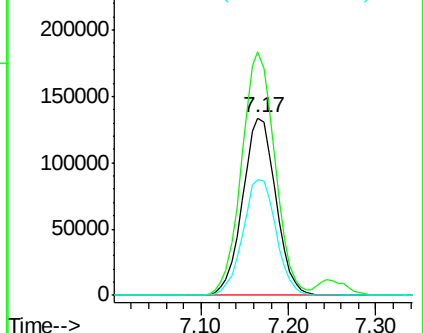
cis-1,2-Dichloroethene
 Concen: 45.477 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	275.0
98	65.4	0.0	130.8



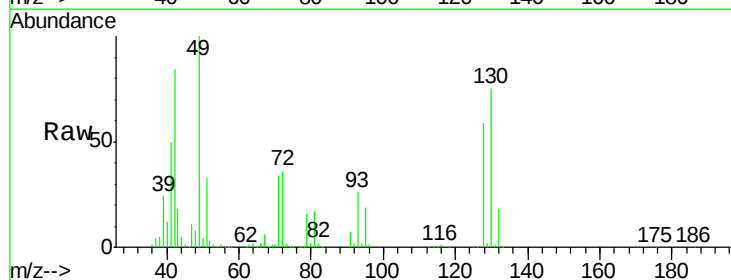
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



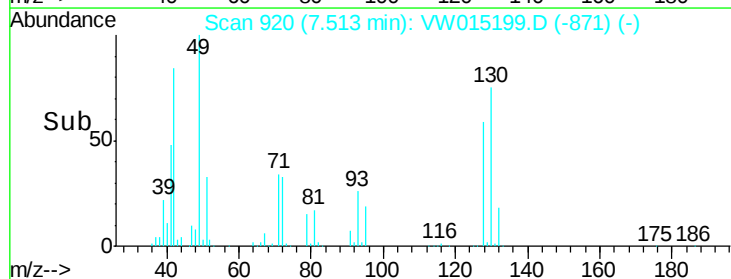
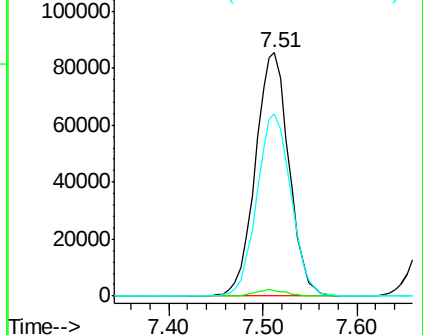
#28

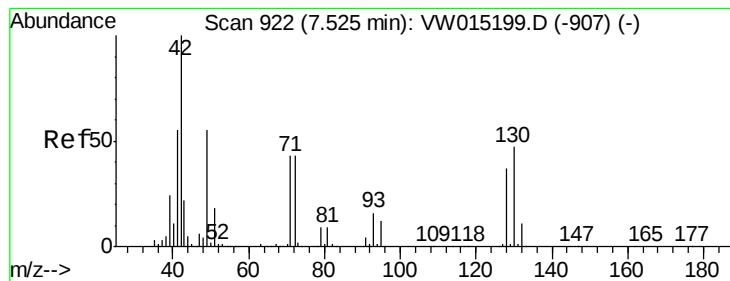
Bromochloromethane
 Concen: 30.185 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	76.1	60.9	91.3



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 176.400 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

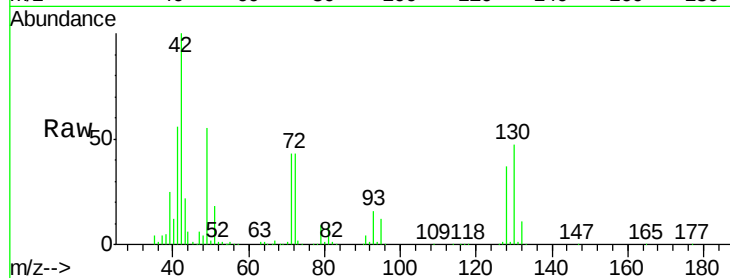
Tot Ion: 42 Resp: 264037

Ion Ratio Lower Upper

42 100

72 45.2 36.2 54.2

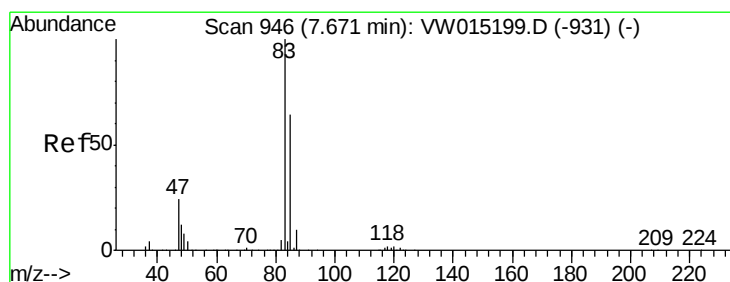
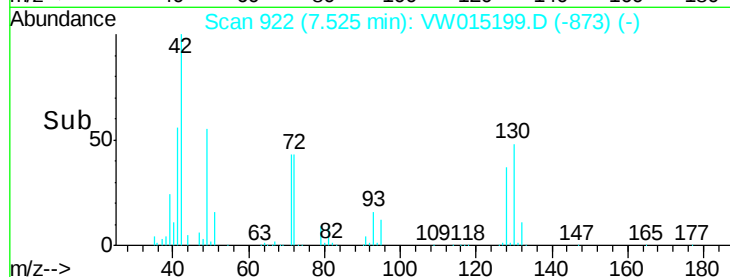
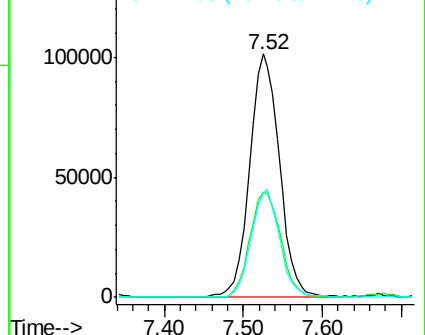
71 42.8 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 39.127 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW015199.D

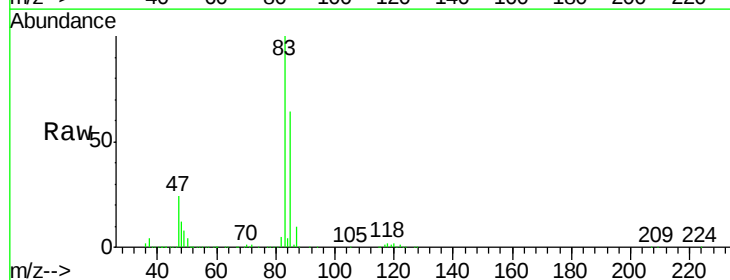
Acq: 15 Apr 2020 13:15

Tgt Ion: 83 Resp: 535985

Ion Ratio Lower Upper

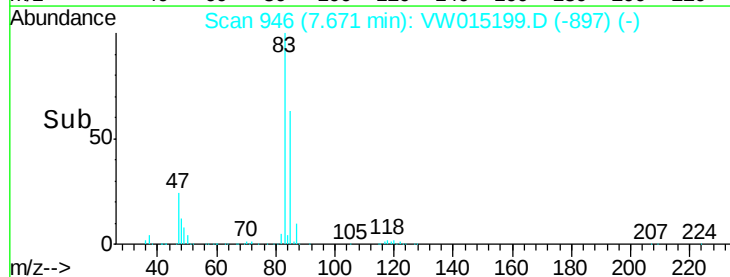
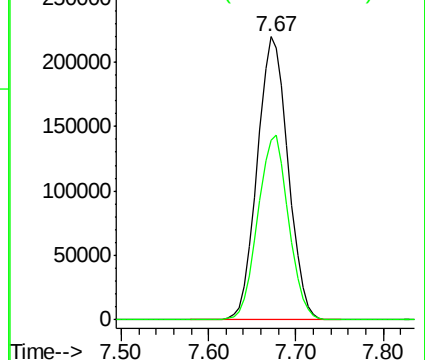
83 100

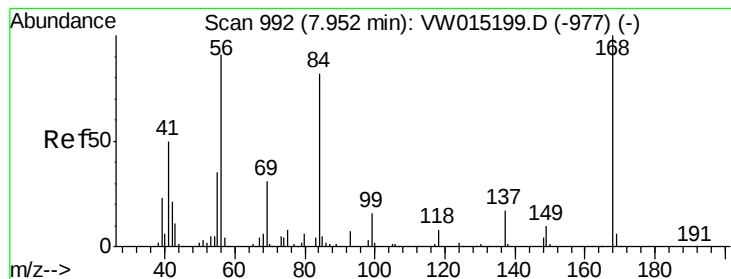
85 63.6 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 35.944 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

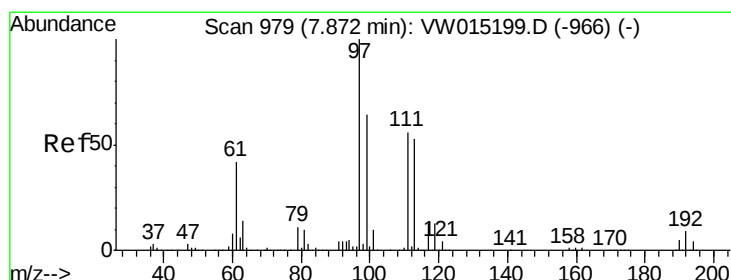
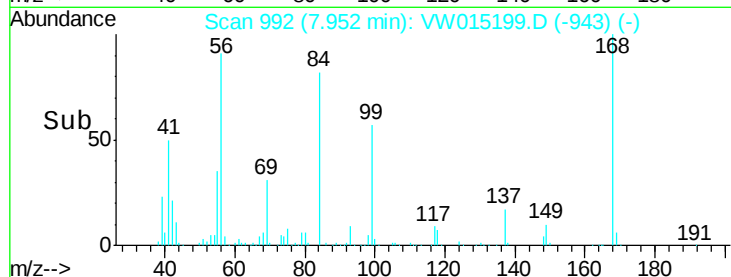
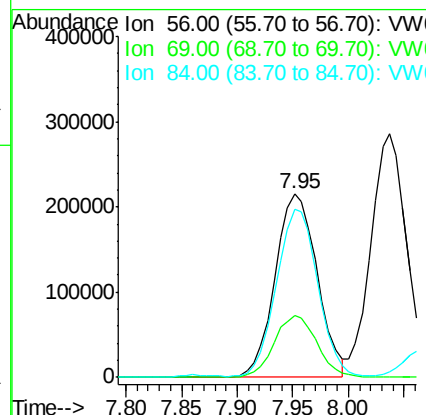
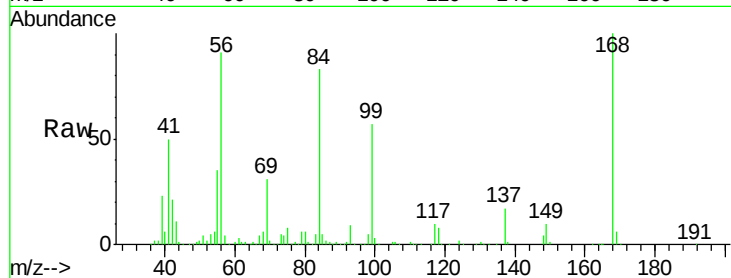
Tot Ion: 56 Resp: 564542

Ion Ratio Lower Upper

56 100

69 33.9 27.1 40.7

84 89.9 71.9 107.9



#32

1,1,1-Trichloroethane

Concen: 41.469 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

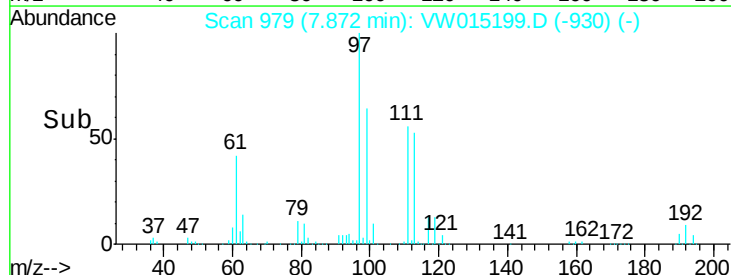
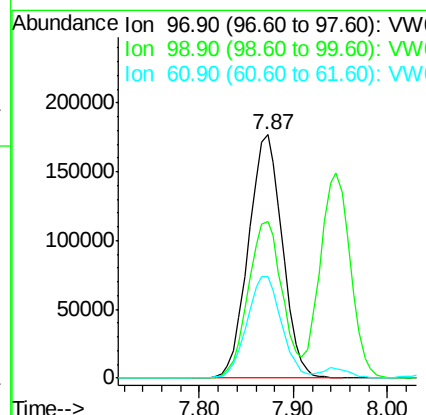
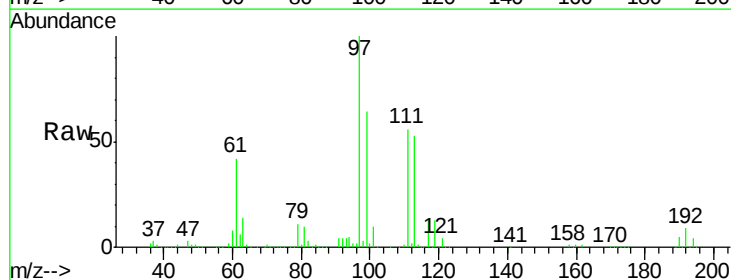
Tgt Ion: 97 Resp: 446562

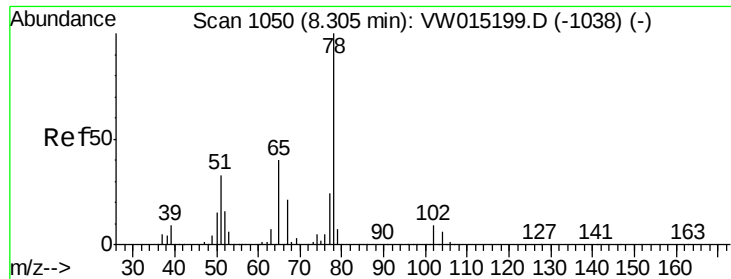
Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

61 42.7 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 34.722 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

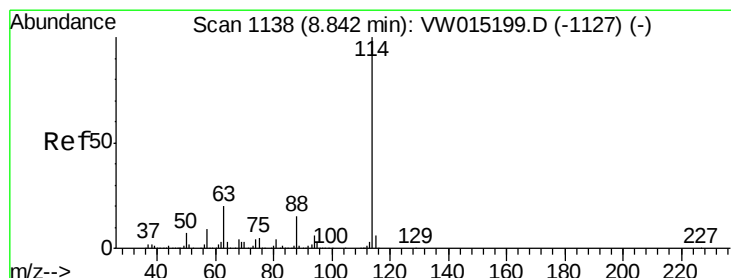
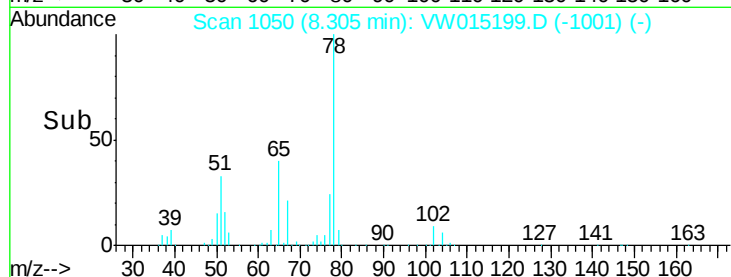
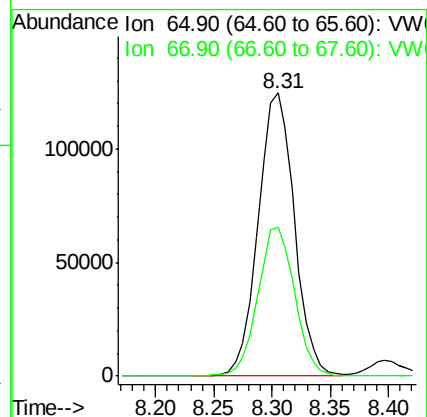
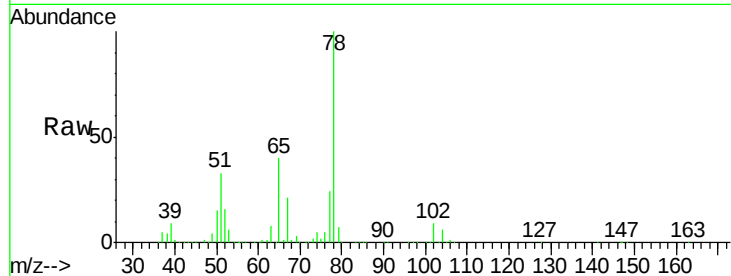
VSTDICCC050

Tot Ion: 65 Resp: 270216

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

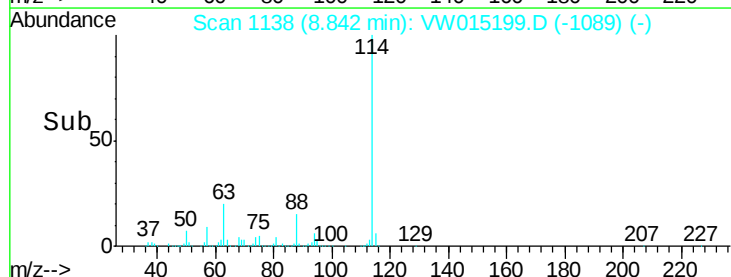
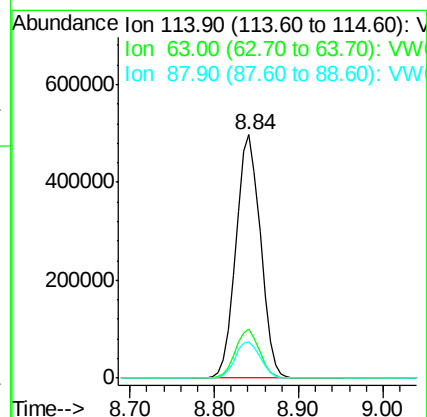
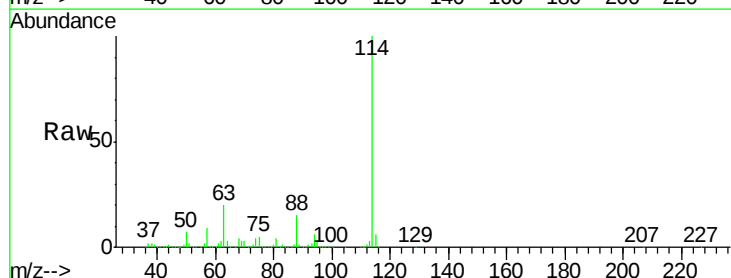
Tgt Ion: 114 Resp: 976769

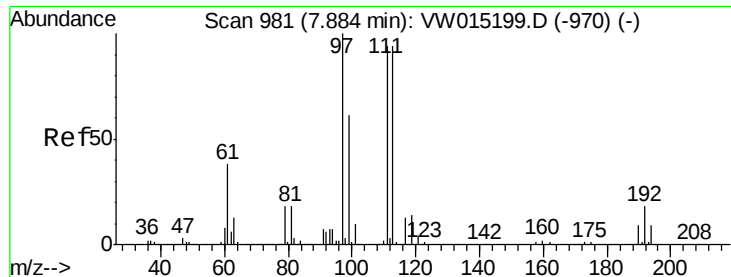
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.1 0.0 30.2

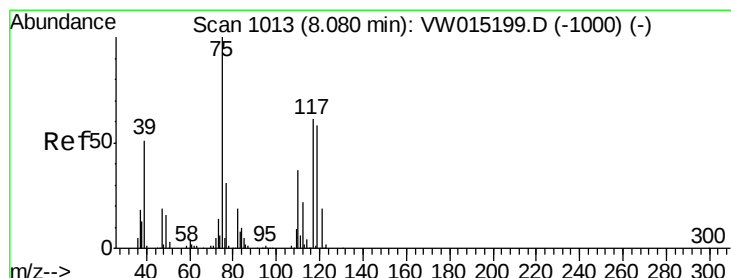
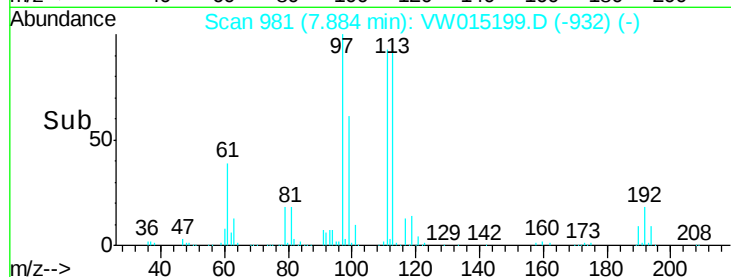
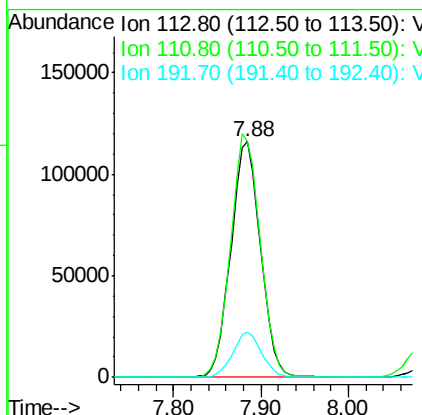
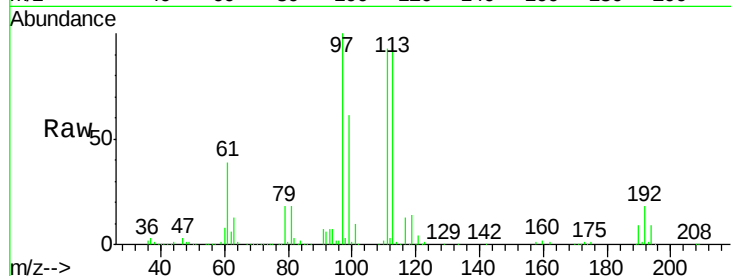




#35
 Dibromofluoromethane
 Concen: 47.672 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

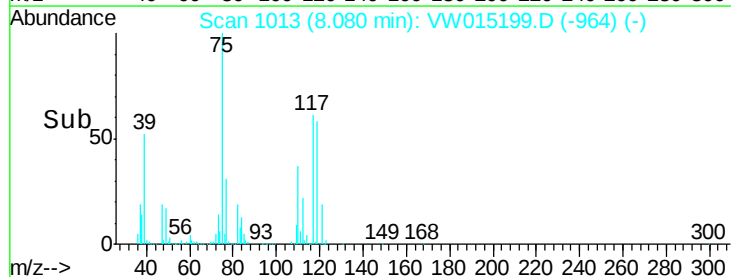
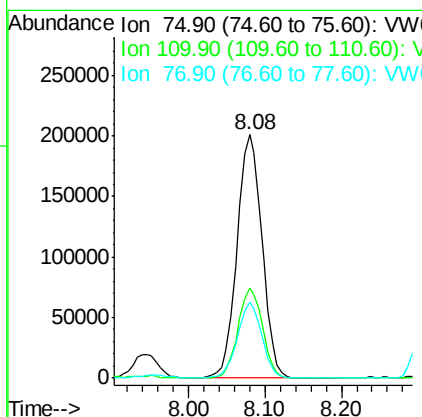
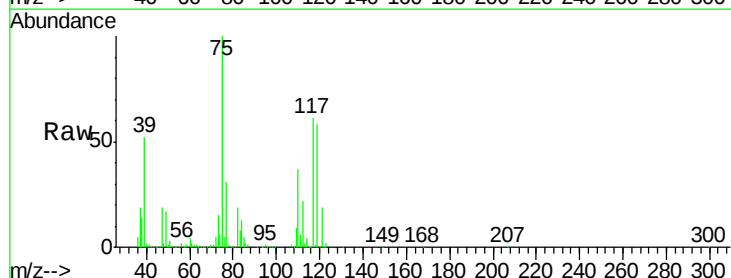
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

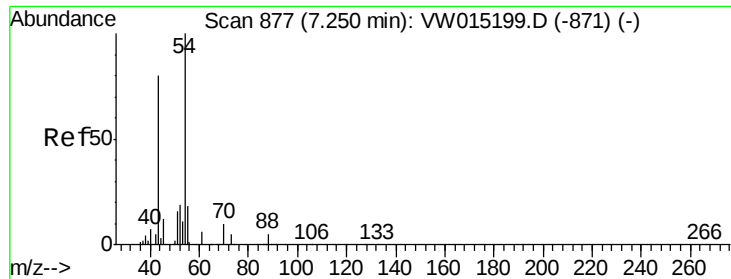
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.0	124.4
192	18.9	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 41.858 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	30.6	24.5	36.7

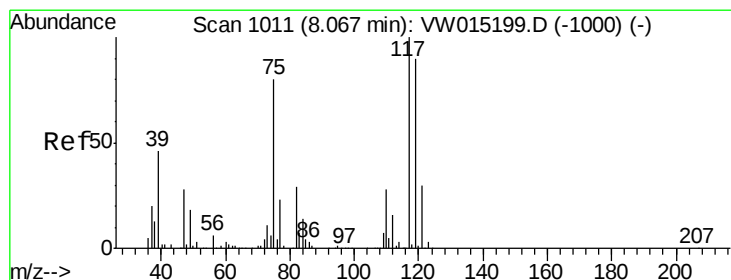
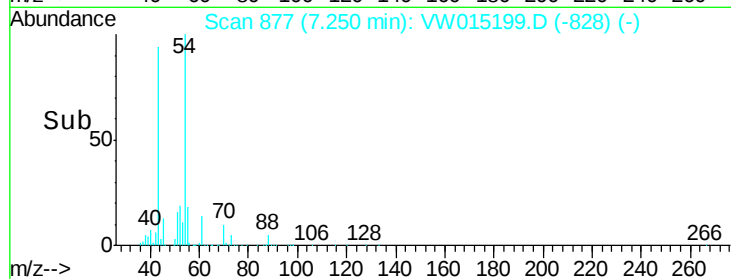
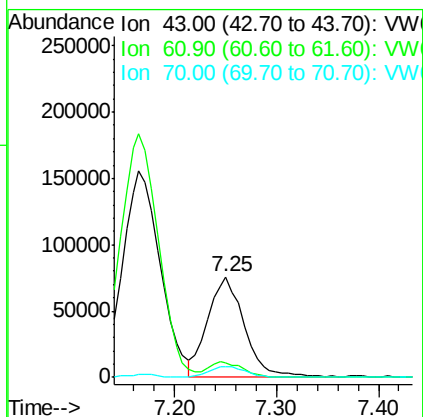
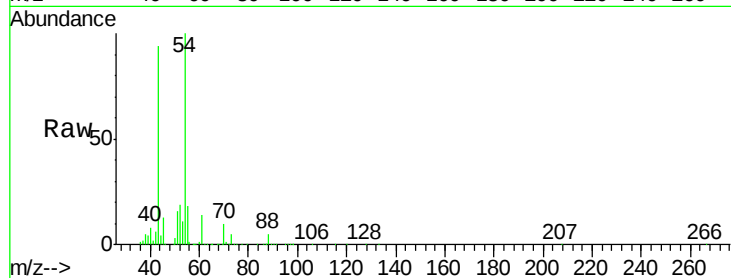




#37
Ethyl Acetate
Concen: 35.308 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

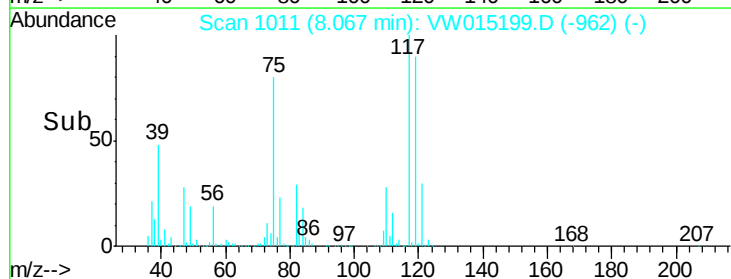
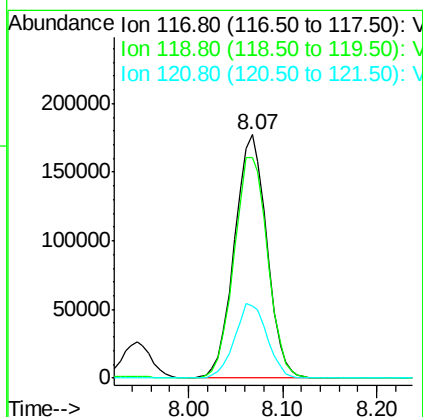
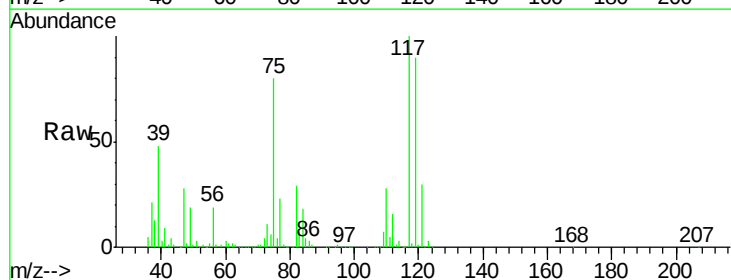
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

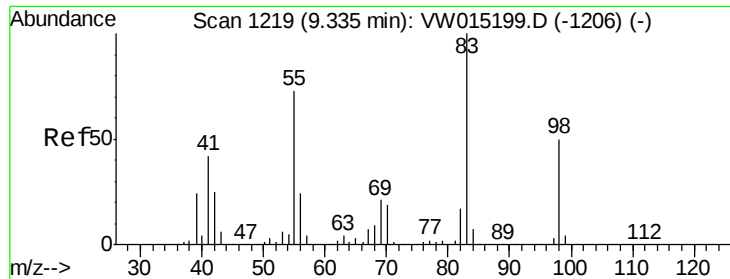
Tot Ion: 43 Resp: 185850
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 46.816 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 117 Resp: 424088
Ion Ratio Lower Upper
117 100
119 90.4 72.3 108.5
121 29.6 23.7 35.5

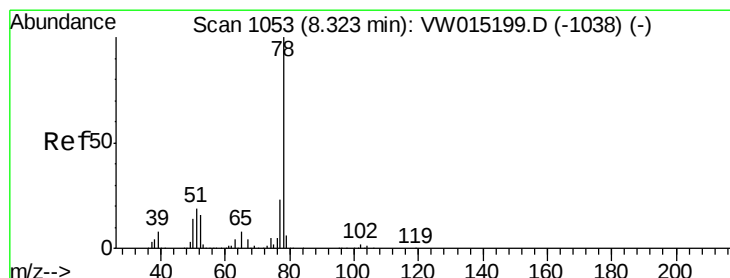
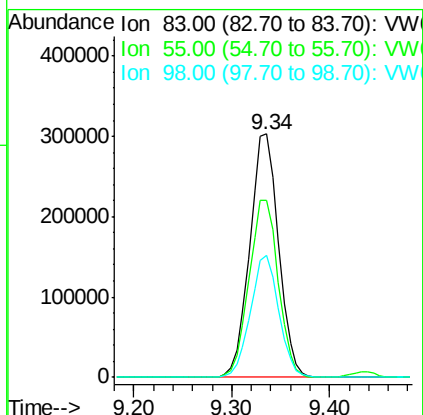
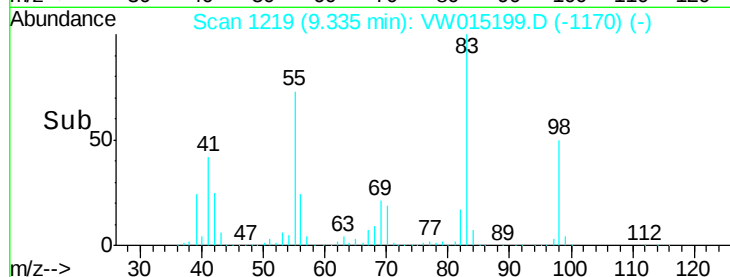
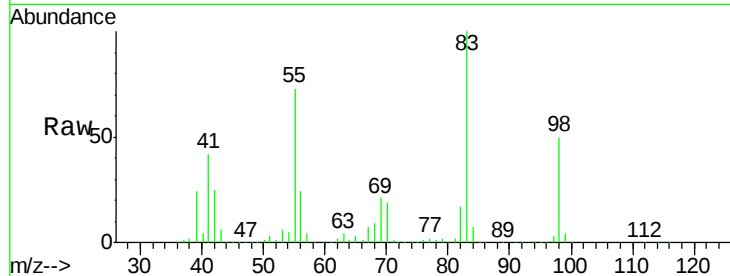




#39
Methvlcvclohexane
Concen: 48.844 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

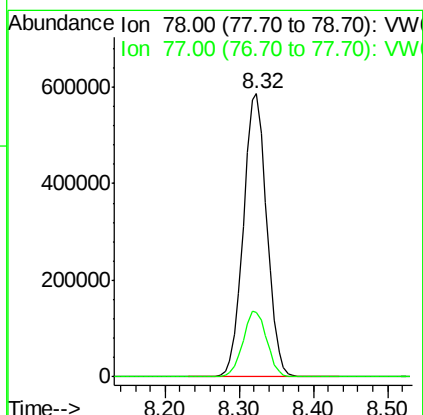
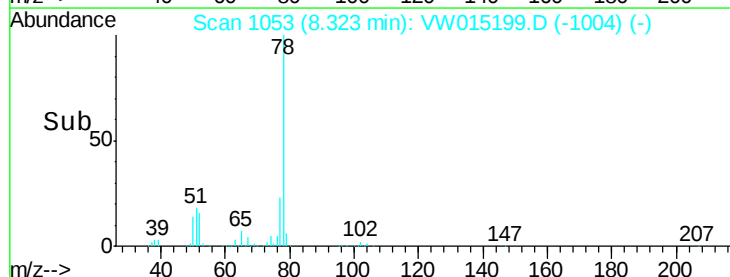
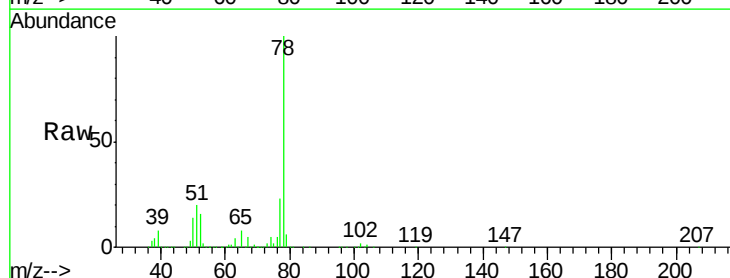
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

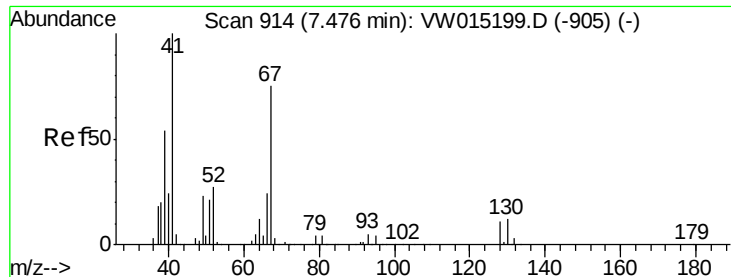
Tot Ion: 83 Resp: 619970
Ion Ratio Lower Upper
83 100
55 72.6 58.1 87.1
98 50.3 40.2 60.4



#40
Benzene
Concen: 42.635 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 78 Resp: 1295264
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2





#41

Methacrylonitrile

Concen: 39.230 ug/l

RT: 7.48 min Scan# 914

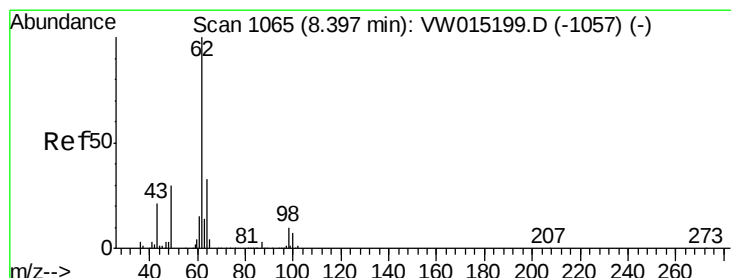
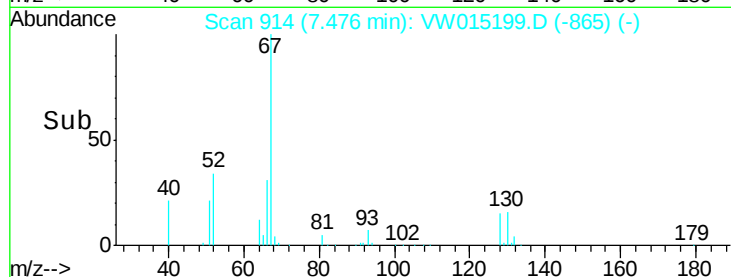
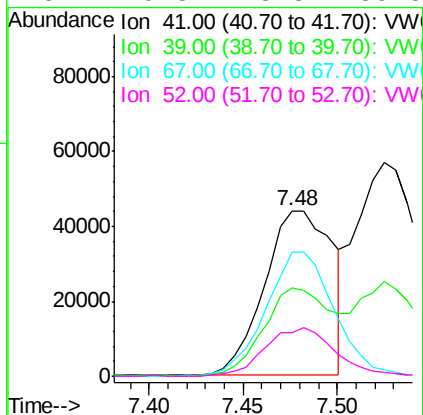
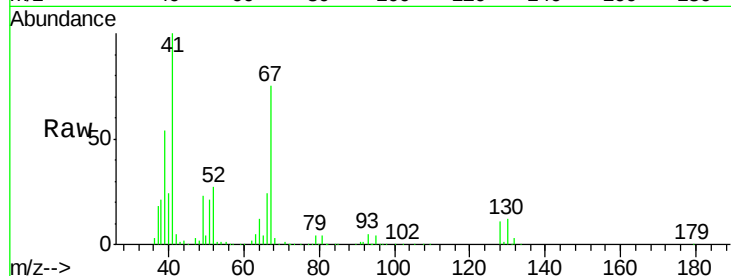
Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	110607
Ion	Ratio	Lower	Upper
41	100		
39	52.4	41.9	62.9
67	75.8	60.6	91.0
52	29.8	23.8	35.8



#42

1,2-Dichloroethane

Concen: 36.616 ug/l

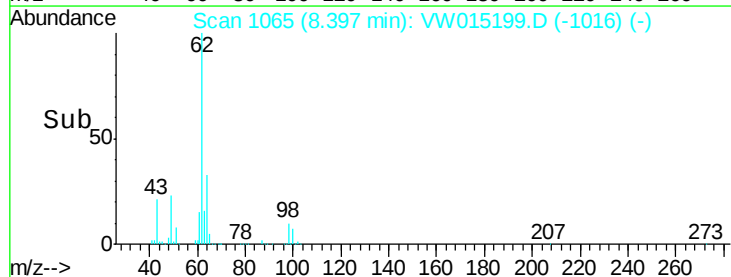
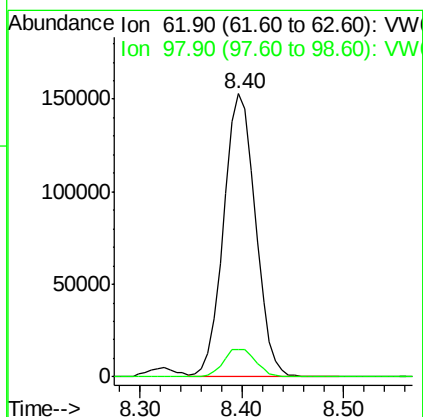
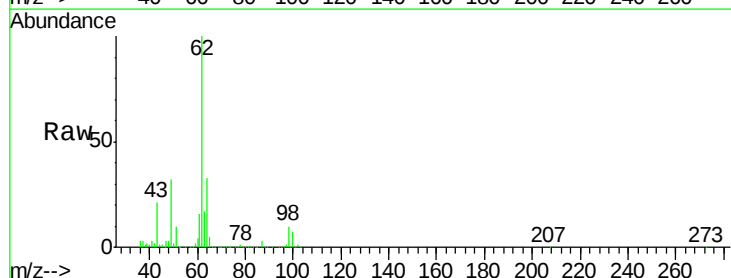
RT: 8.40 min Scan# 1065

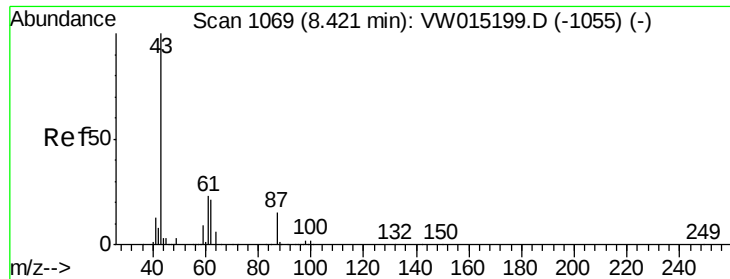
Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Tgt Ion:	62	Resp:	330697
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 39.547 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

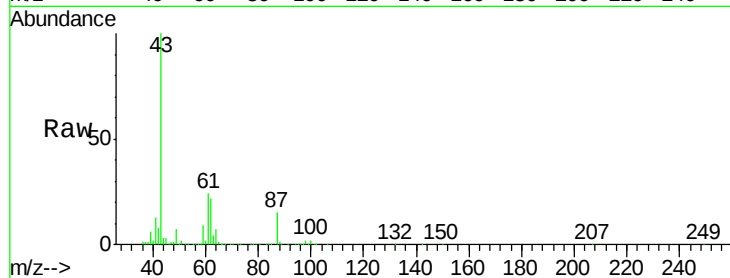
Tot Ion: 43 Resp: 377314

Ion Ratio Lower Upper

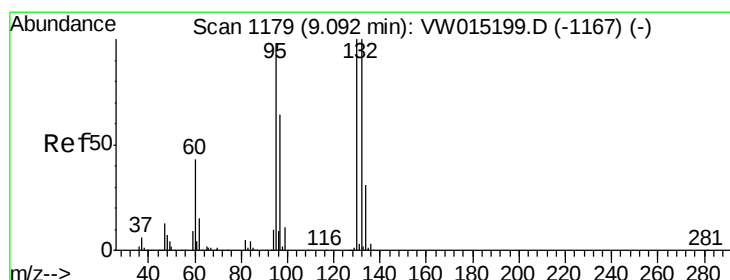
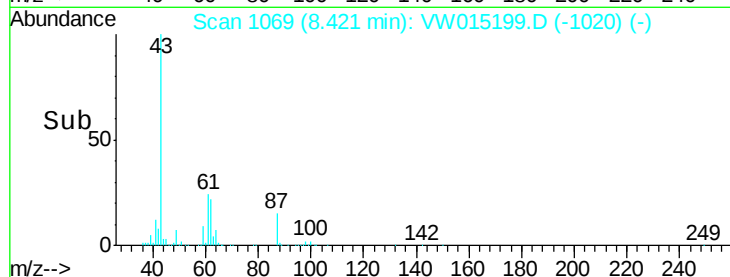
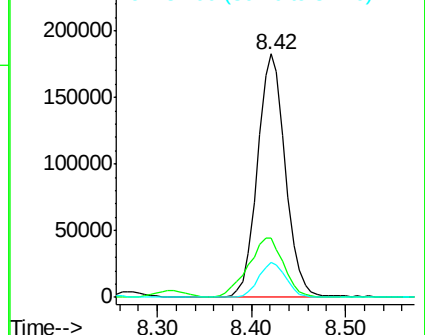
43 100

61 31.0 24.8 37.2

87 14.3 11.4 17.2



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: 51.072 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015199.D

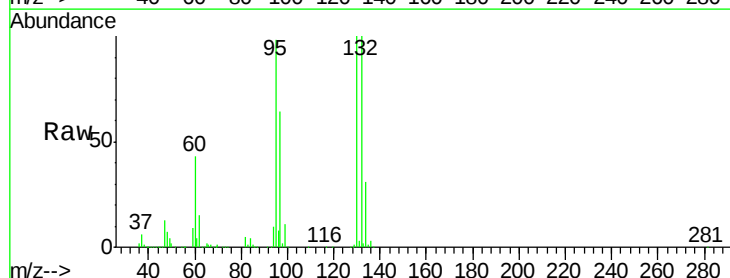
Acq: 15 Apr 2020 13:15

Tgt Ion: 130 Resp: 342005

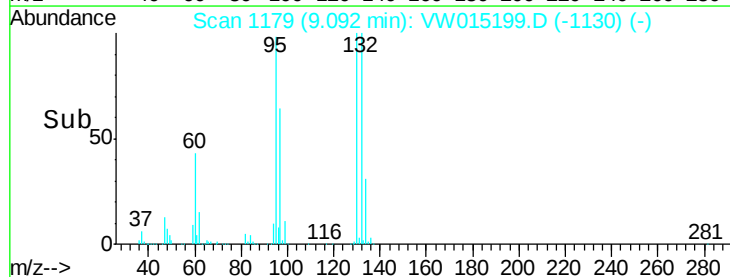
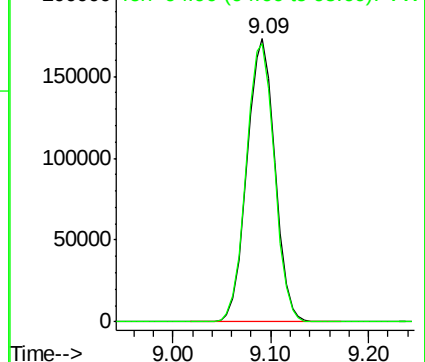
Ion Ratio Lower Upper

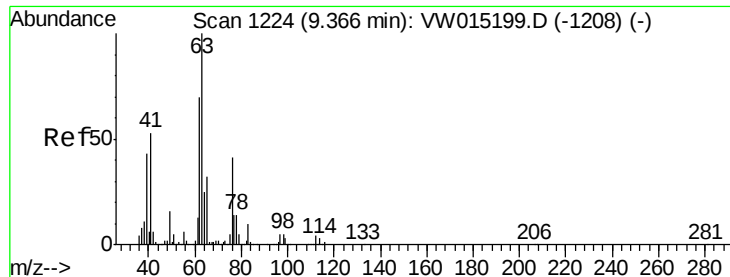
130 100

95 98.2 0.0 196.4



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





#45

1,2-Dichloropropane

Concen: 39.819 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

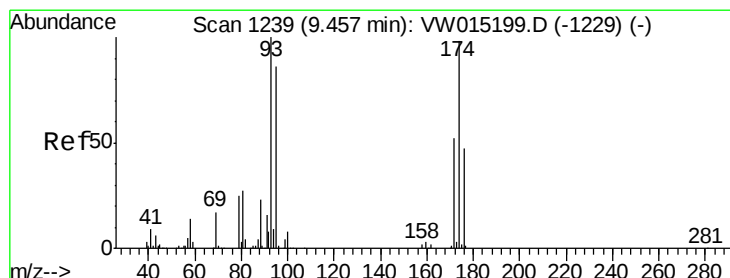
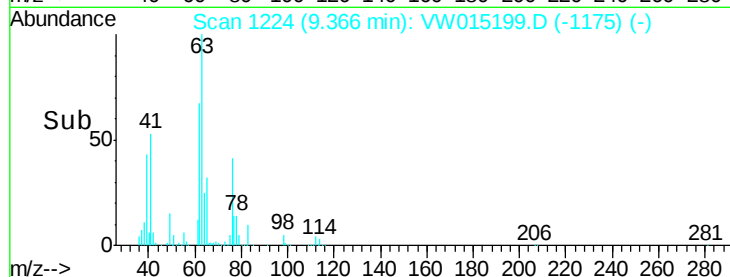
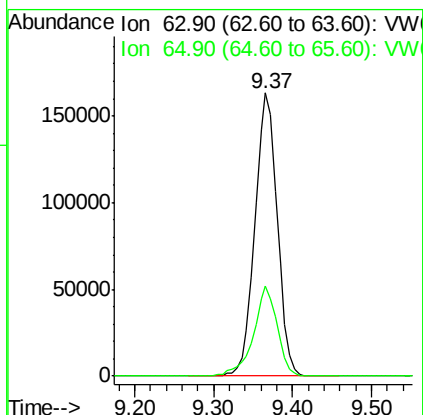
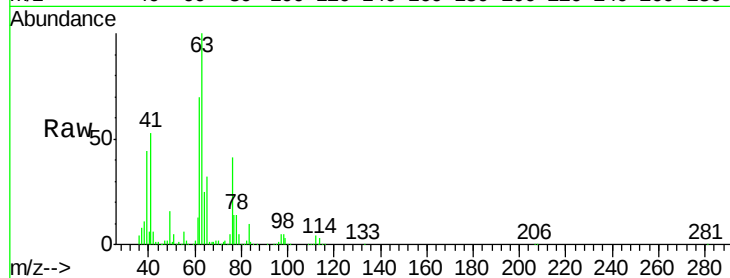
VSTDICCC050

Tot Ion: 63 Resp: 321684

Ion Ratio Lower Upper

63 100

65 31.9 25.5 38.3



#46

Dibromomethane

Concen: 44.747 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

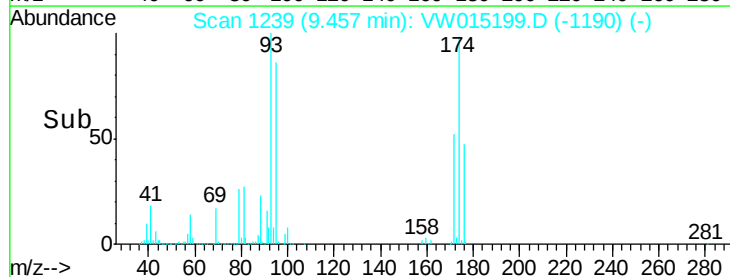
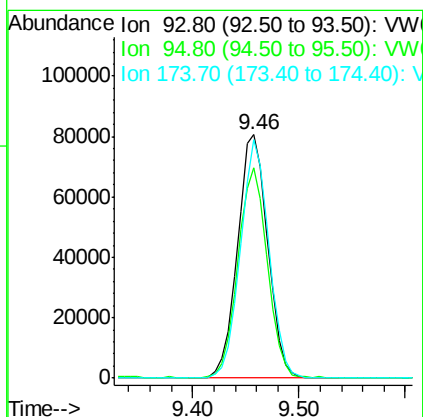
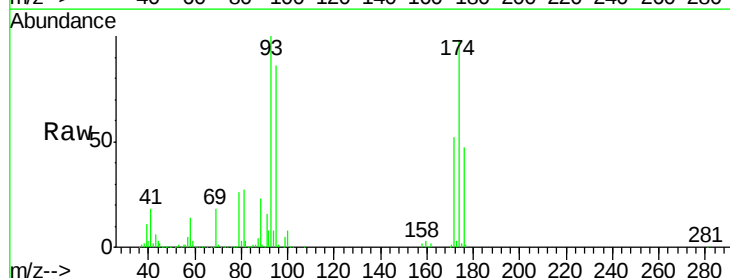
Tgt Ion: 93 Resp: 160557

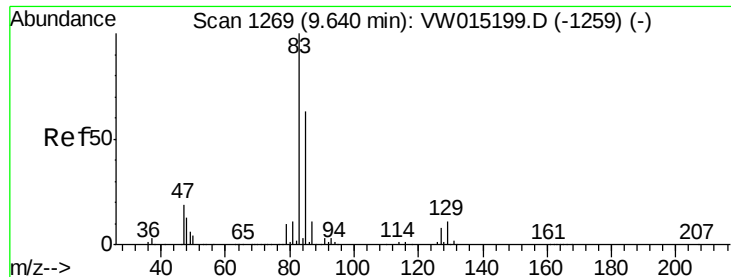
Ion Ratio Lower Upper

93 100

95 84.4 67.5 101.3

174 92.6 74.1 111.1

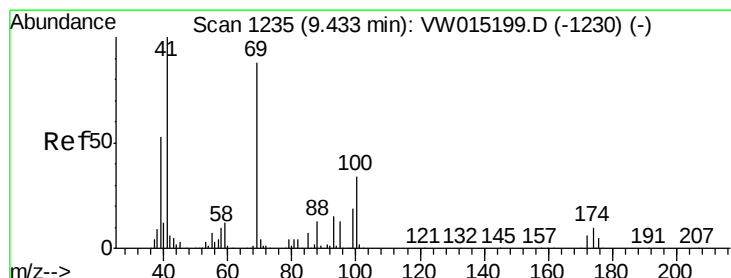
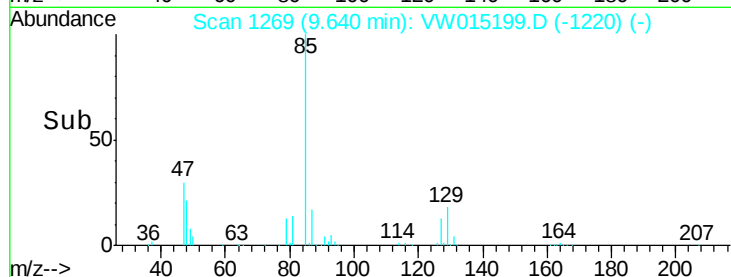
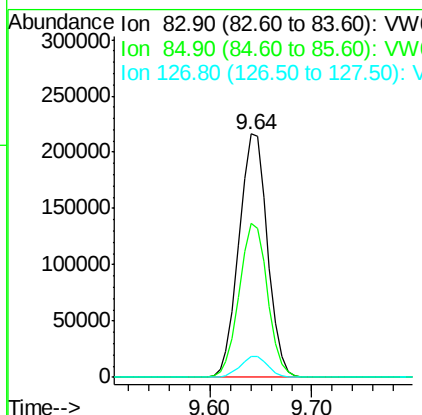
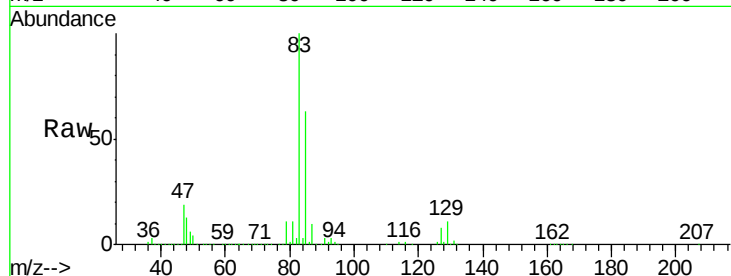




#47
 Bromodichloromethane
 Concen: 44.005 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

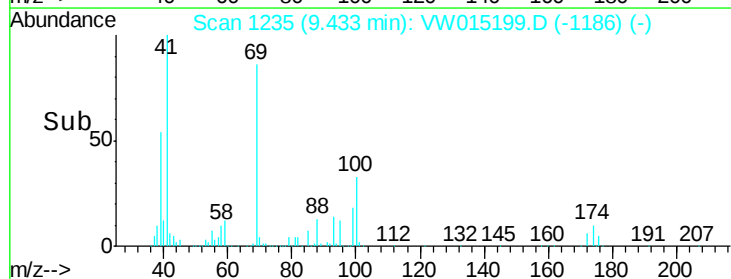
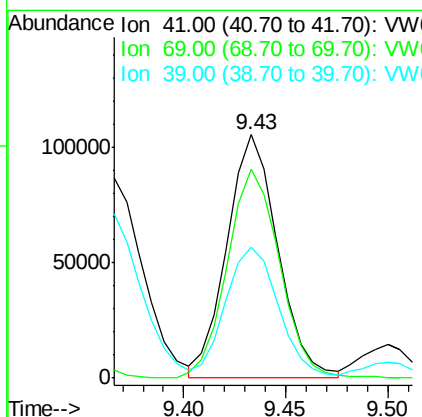
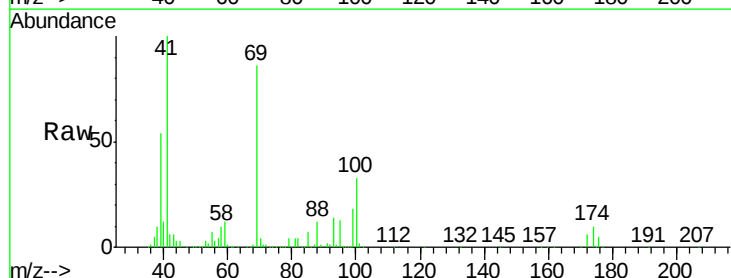
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

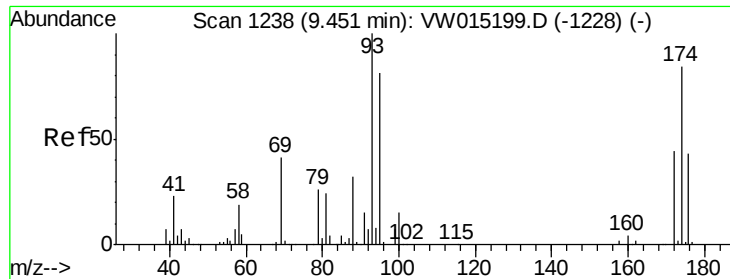
Tot Ion	83	Resp	420119
Ion Ratio	100		
Lower	50.6		
Upper	76.0		
85	63.3		
127	8.4		



#48
 Methyl methacrylate
 Concen: 41.289 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion	41	Resp	182169
Ion Ratio	100		
Lower	70.6		
Upper	105.8		
69	88.2		
39	53.3		

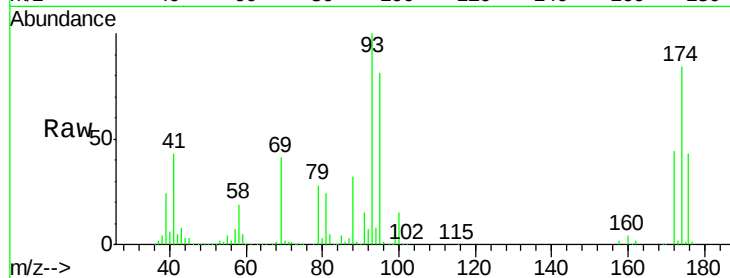




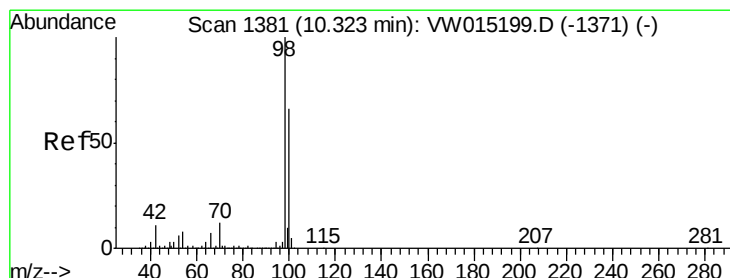
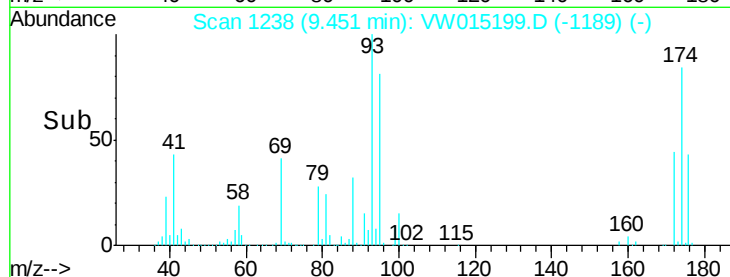
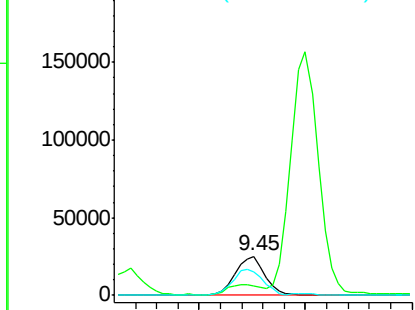
#49
1,4-Dioxane
Concen: 927.317 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 49830
Ion Ratio Lower Upper
88 100
43 29.4 23.5 35.3
58 69.3 55.4 83.2

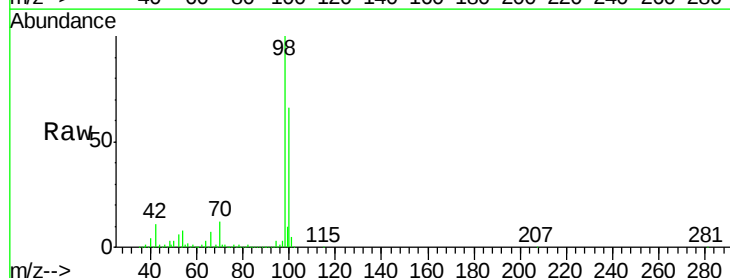


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

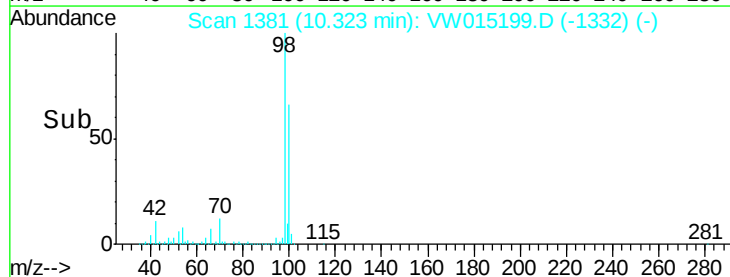
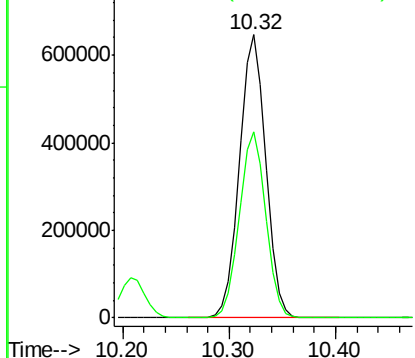


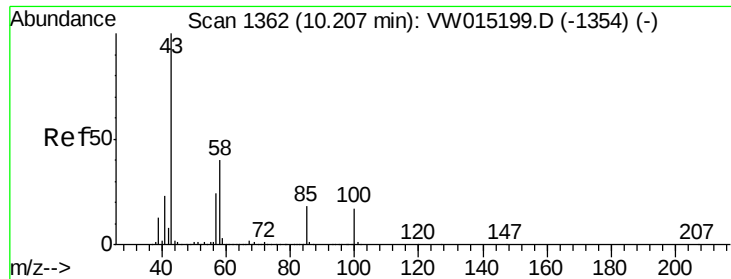
#50
Toluene-d8
Concen: 47.109 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 98 Resp: 1123805
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



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: 180.852 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

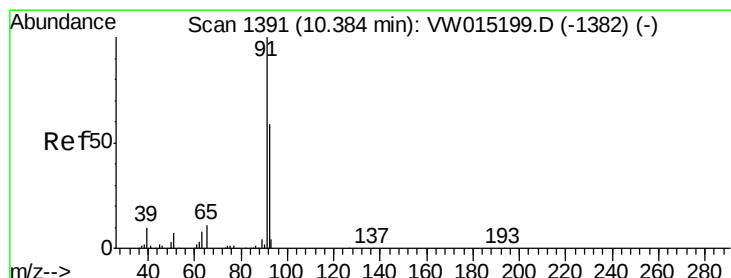
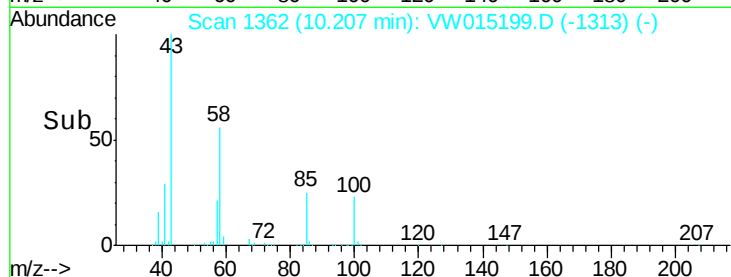
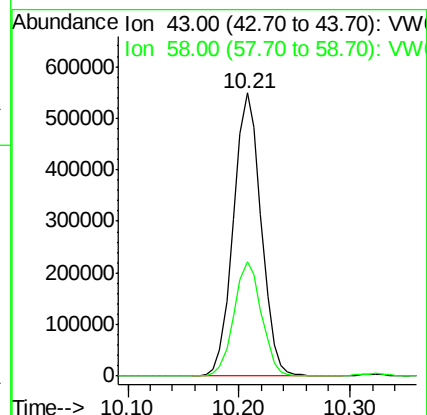
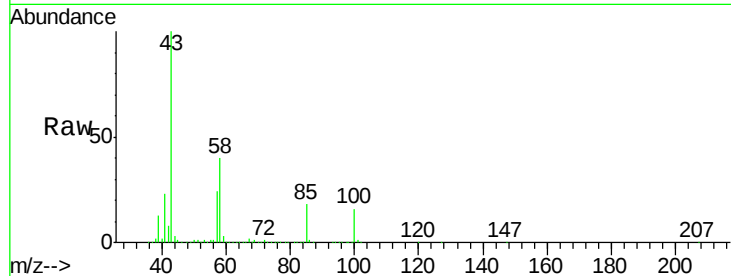
VSTDICCC050

Tot Ion: 43 Resp: 944738

Ion Ratio Lower Upper

43 100

58 40.4 32.3 48.5



#52

Toluene

Concen: 46.914 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015199.D

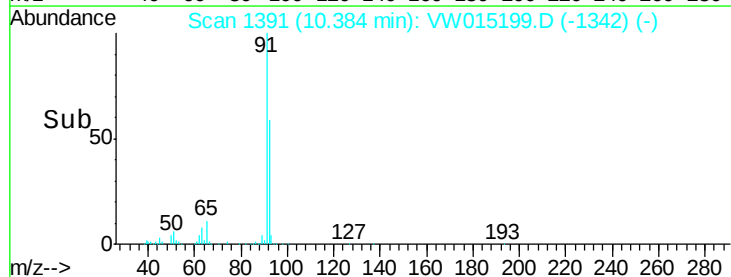
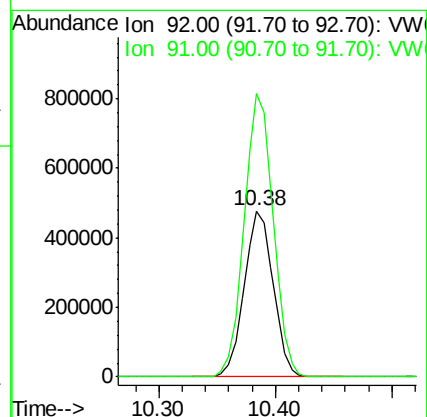
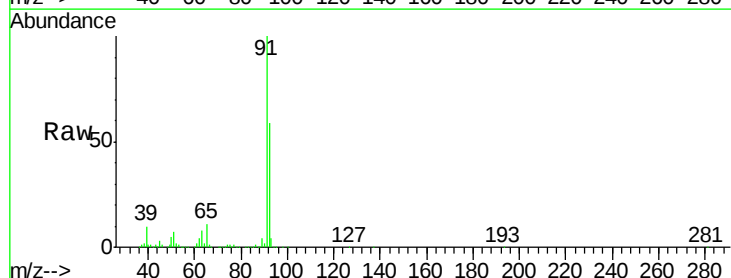
Acq: 15 Apr 2020 13:15

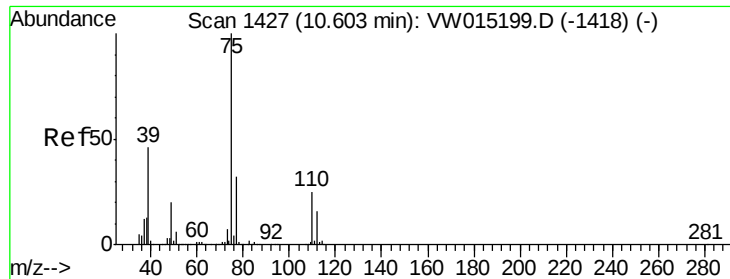
Tgt Ion: 92 Resp: 828474

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 46.097 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

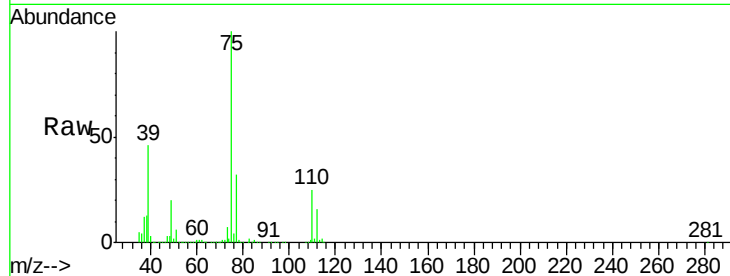
VSTDICCC050

Tot Ion: 75 Resp: 433169

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

250000

200000

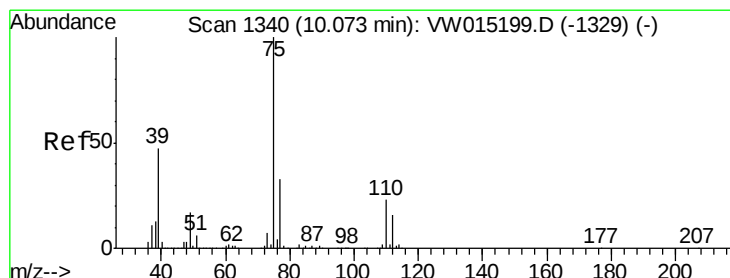
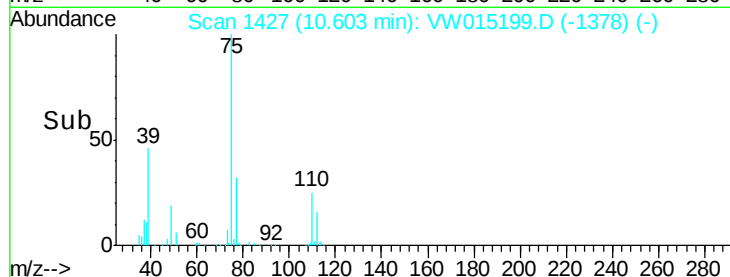
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 45.012 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

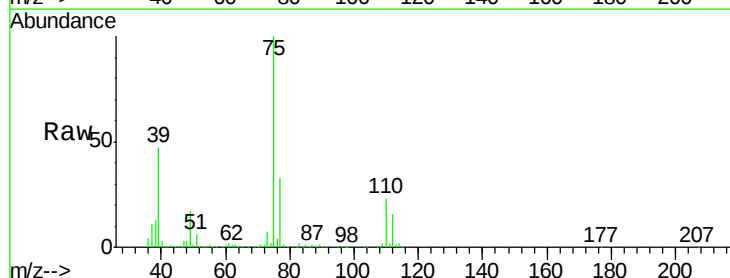
Tgt Ion: 75 Resp: 514532

Ion Ratio Lower Upper

75 100

77 33.2 26.6 39.8

39 47.2 37.8 56.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

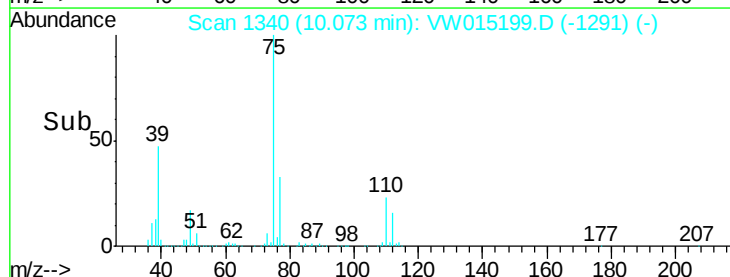
300000

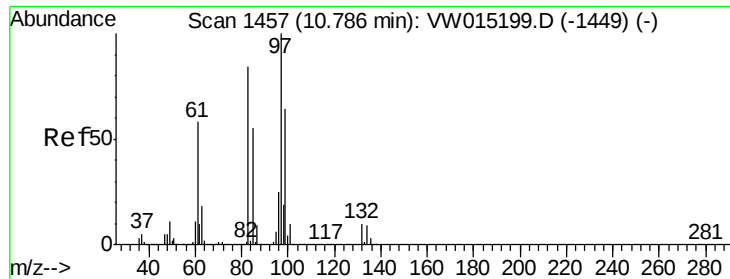
200000

100000

0

Time--> 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 46.507 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

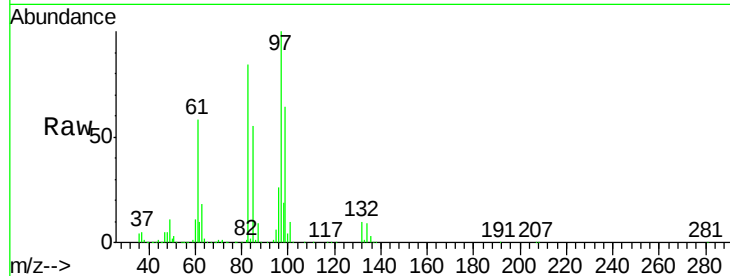
MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 229269

Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.3	100.9
85	54.8	43.8	65.8
99	64.2	51.4	77.0

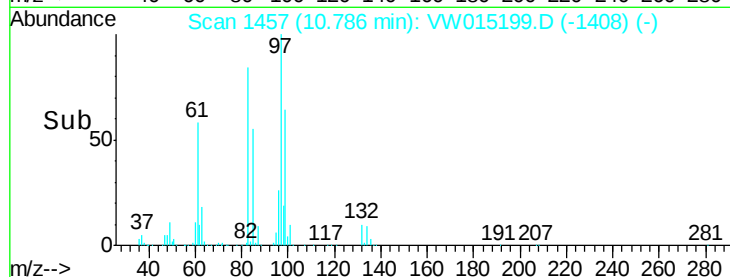


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

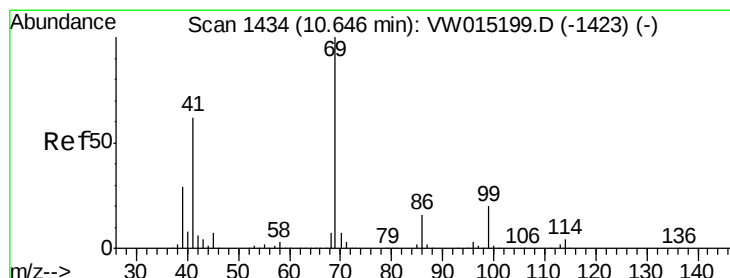
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



10.79

Time-->



#56

Ethyl methacrylate

Concen: 49.997 ug/l

RT: 10.65 min Scan# 1434

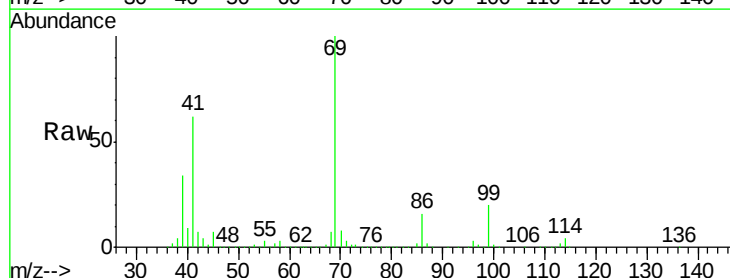
Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Tgt Ion: 69 Resp: 317338

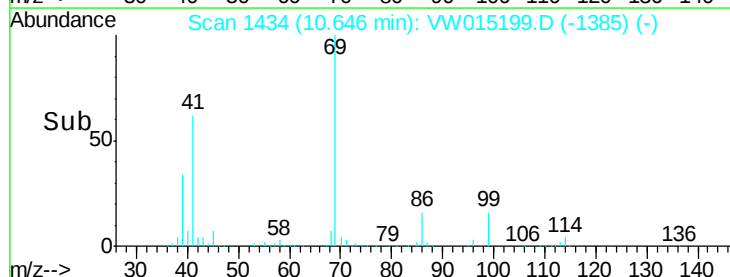
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.3	76.9
39	30.8	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VW

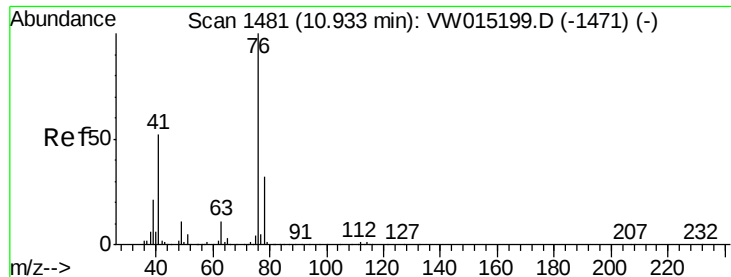
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



10.65

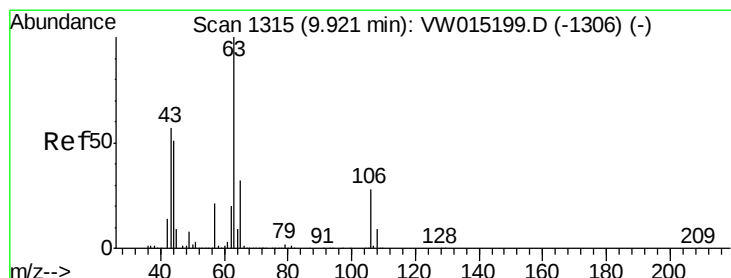
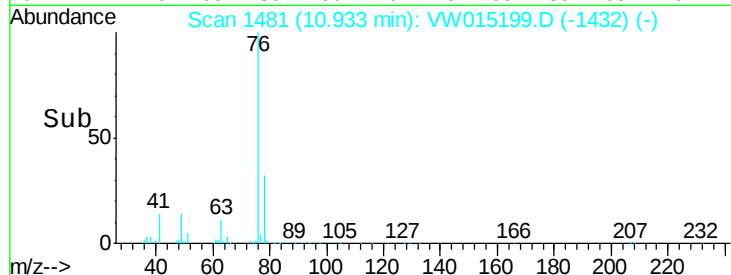
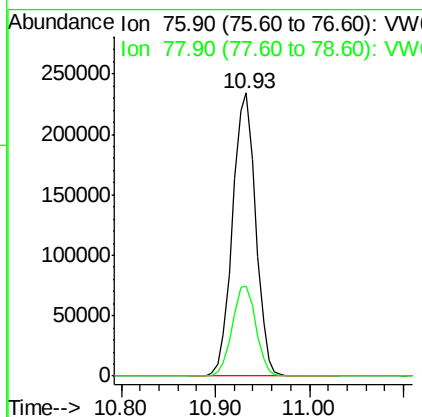
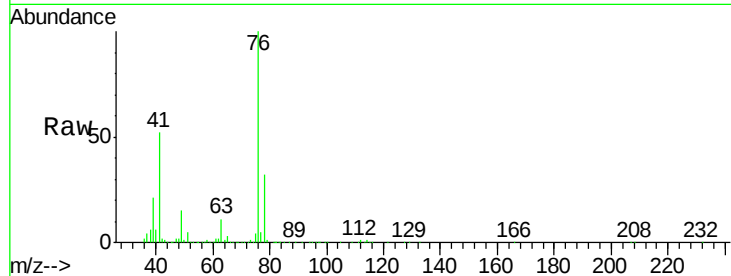
Time-->



#57
 1,3-Dichloropropane
 Concen: 43.218 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

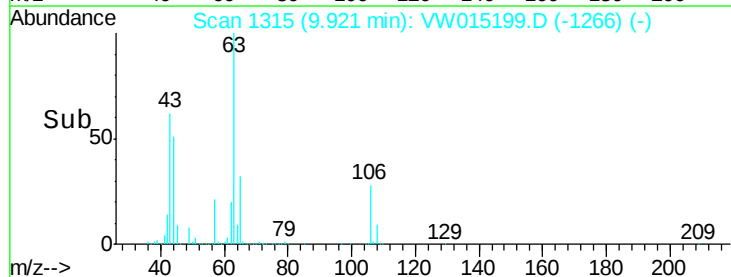
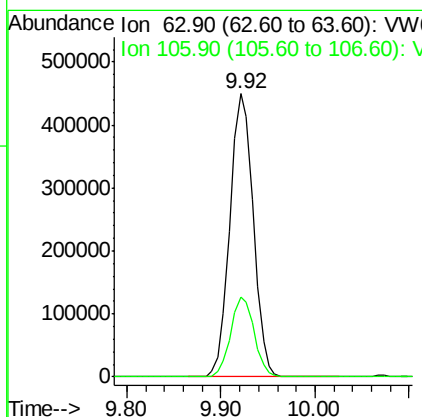
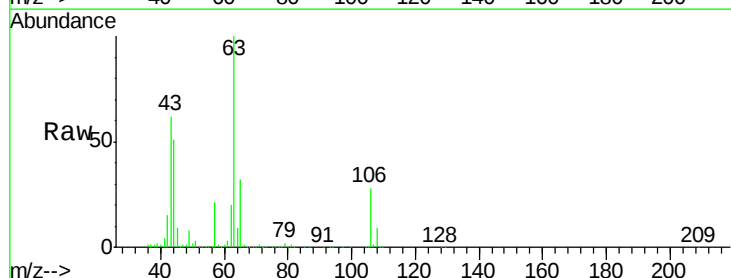
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

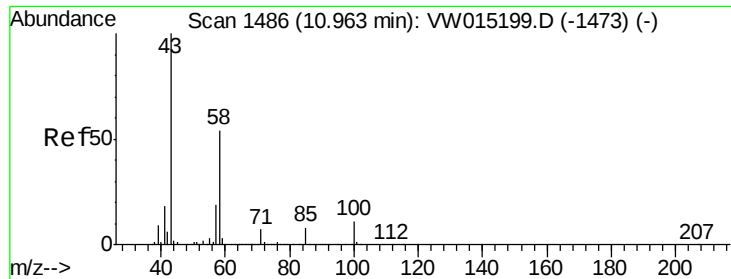
Tot Ion: 76 Resp: 399407
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 214.375 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion: 63 Resp: 776855
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8

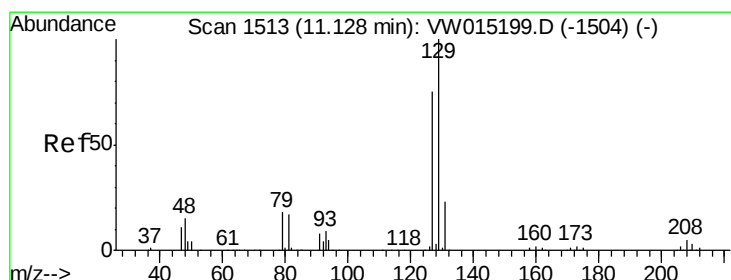
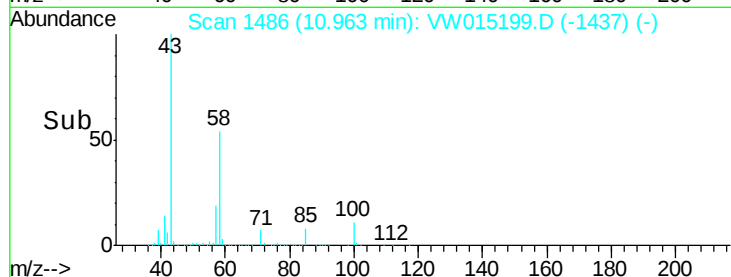
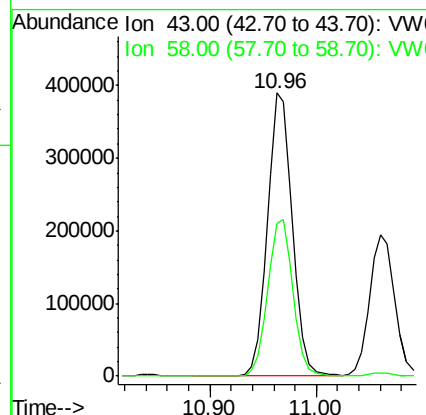
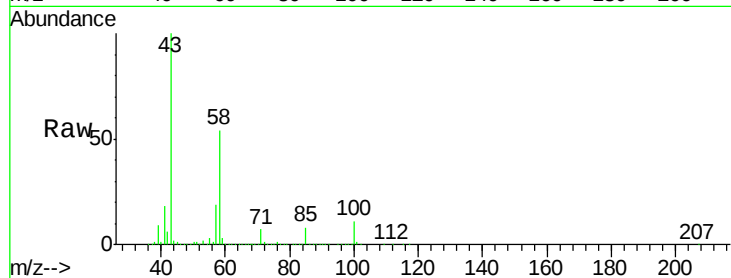




#59
2-Hexanone
Concen: 196.214 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

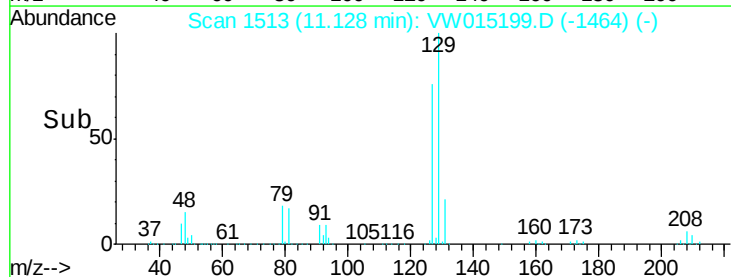
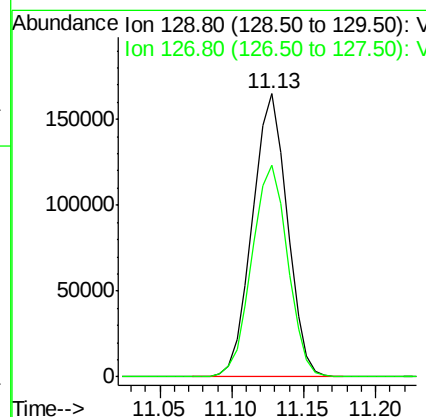
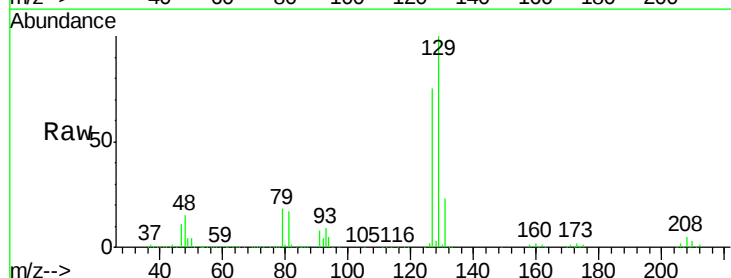
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

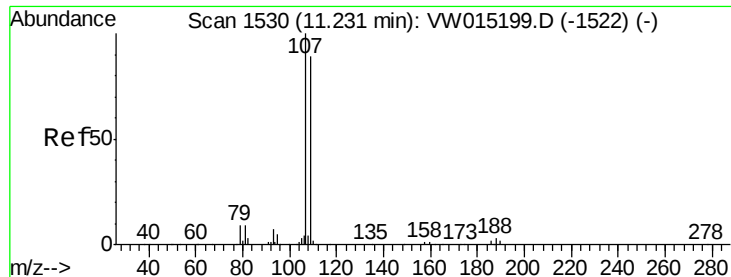
Tot Ion: 43 Resp: 635848
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.3



#60
Dibromochloromethane
Concen: 53.157 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 129 Resp: 277100
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.772 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

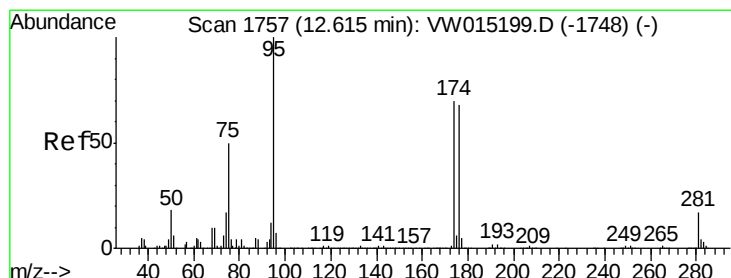
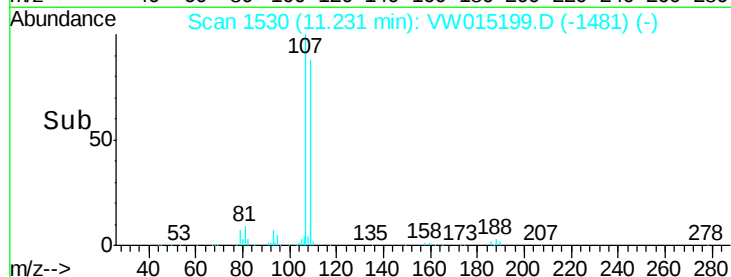
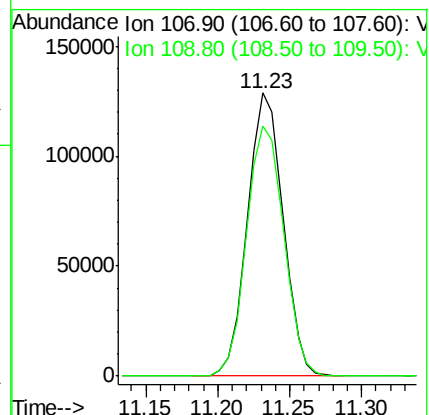
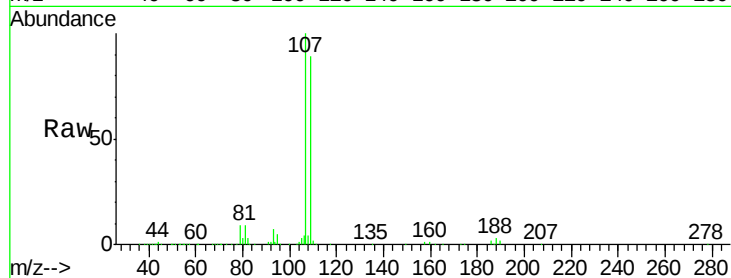
VSTDICCC050

Tot Ion: 107 Resp: 220215

Ion Ratio Lower Upper

107 100

109 92.9 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 49.546 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

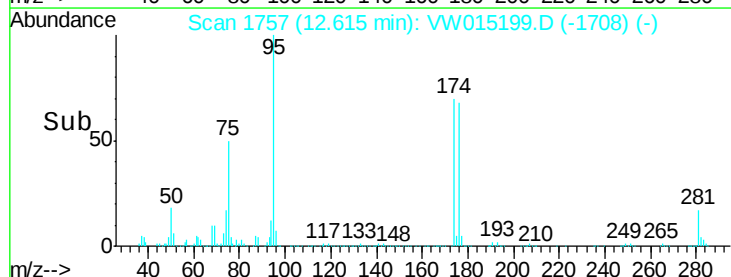
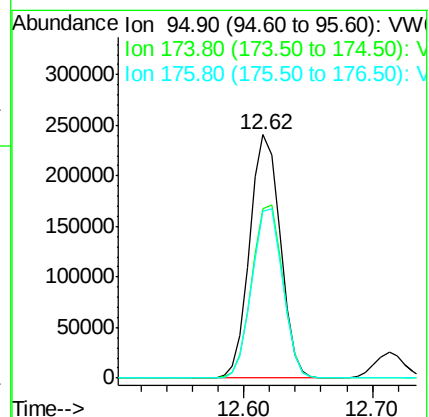
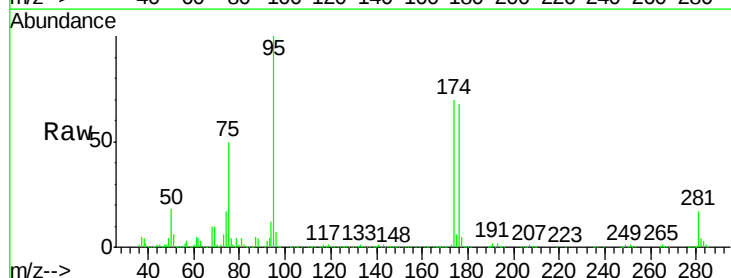
Tgt Ion: 95 Resp: 393931

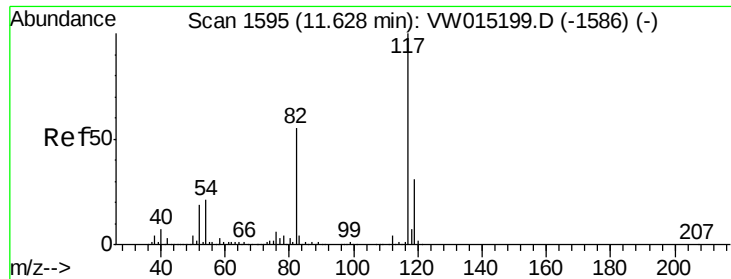
Ion Ratio Lower Upper

95 100

174 72.2 0.0 144.4

176 70.3 0.0 140.6

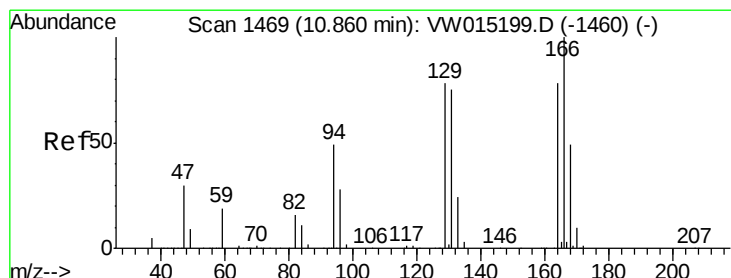
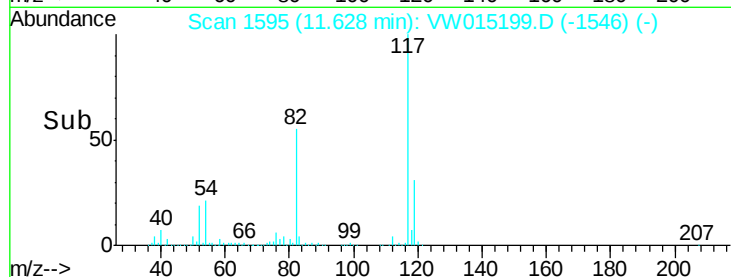
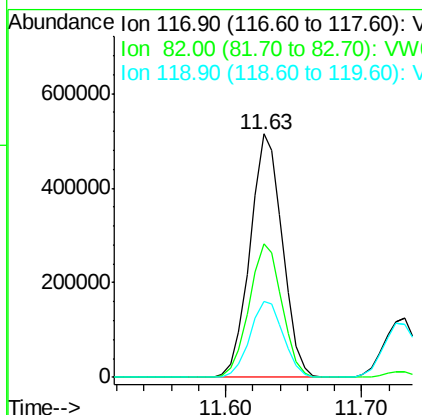
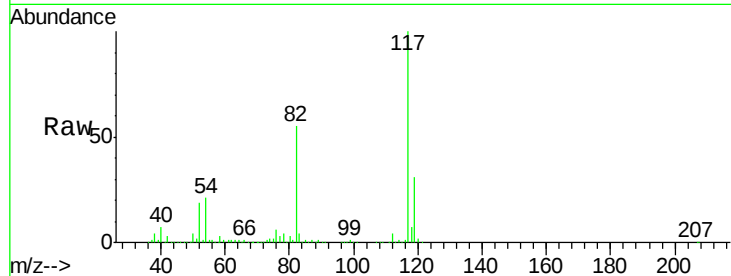




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

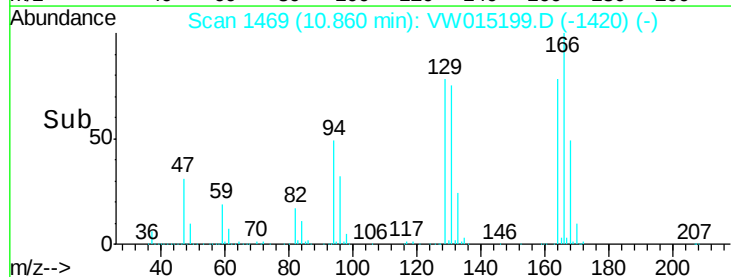
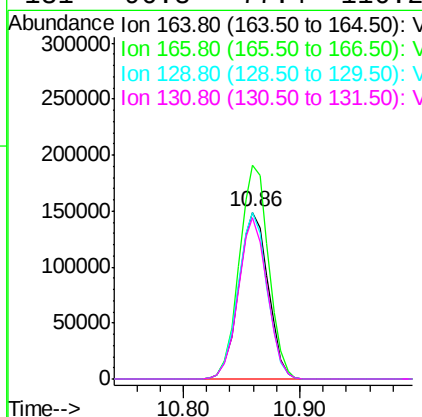
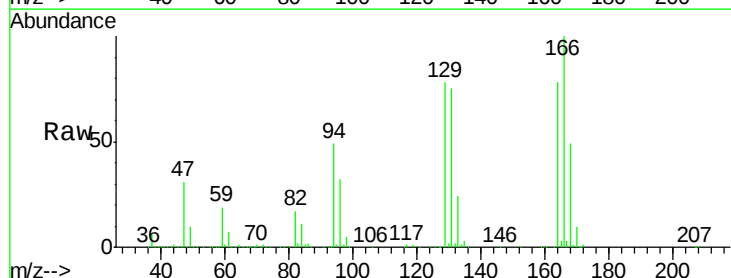
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

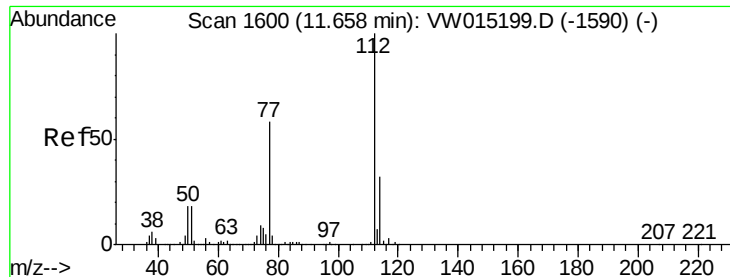
Tot Ion:117 Resp: 857510
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 31.1 24.9 37.3



#64
Tetrachloroethene
Concen: 52.716 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion:164 Resp: 262063
Ion Ratio Lower Upper
164 100
166 128.3 102.6 154.0
129 100.2 80.2 120.2
131 96.8 77.4 116.2

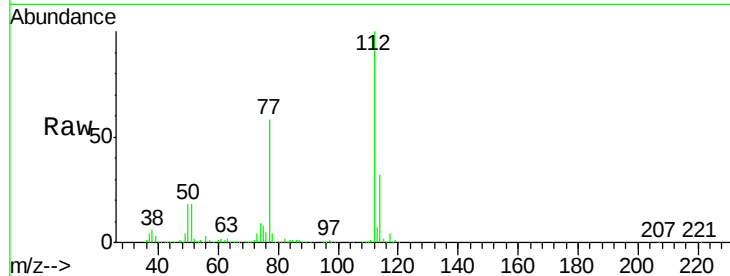




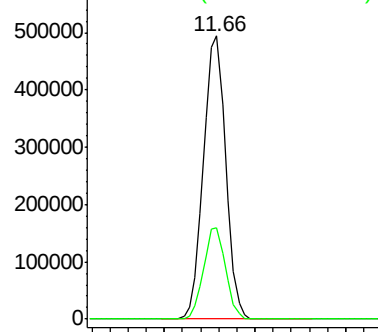
#65
Chlorobenzene
Concen: 49.415 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

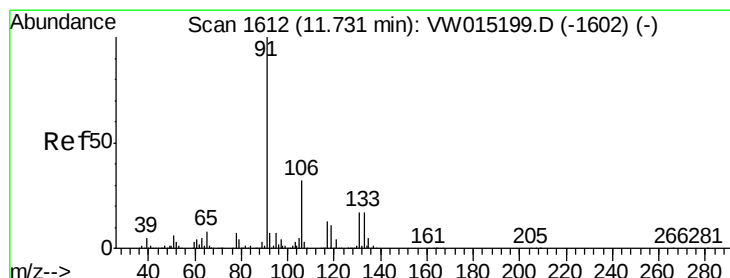
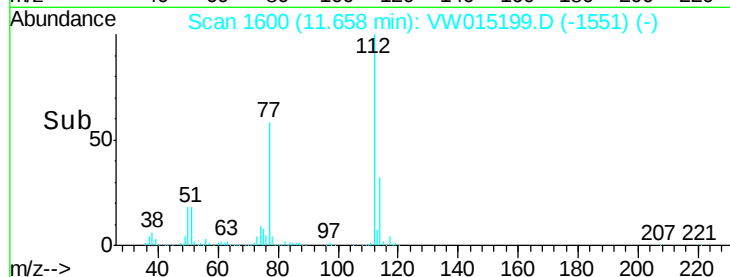
Tot Ion:112 Resp: 843557
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

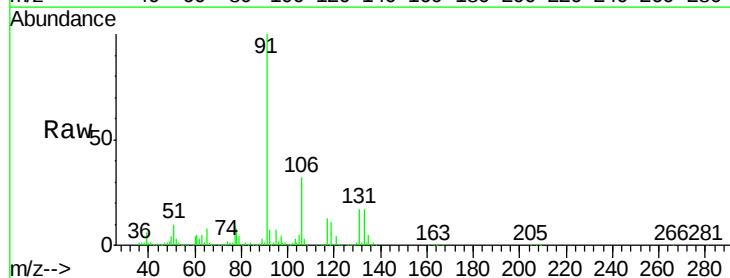


Time-->

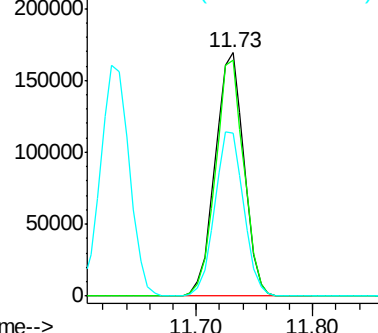


#66
1,1,1,2-Tetrachloroethane
Concen: 51.103 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

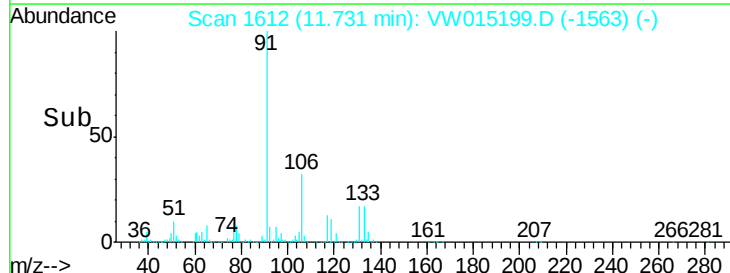
Tgt Ion:131 Resp: 292149
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 67.9 34.0 101.8

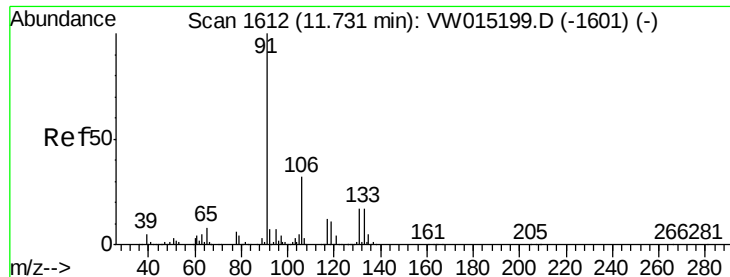


Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



Time-->

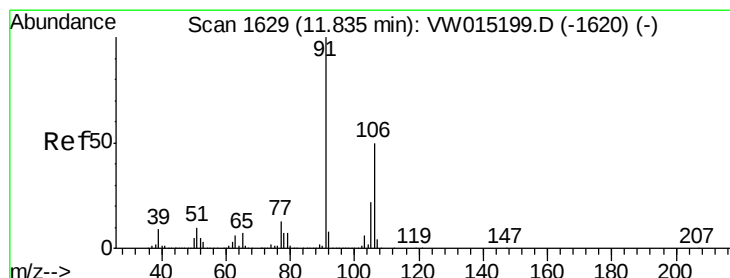
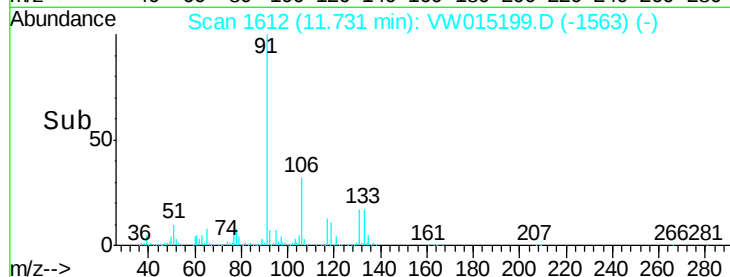
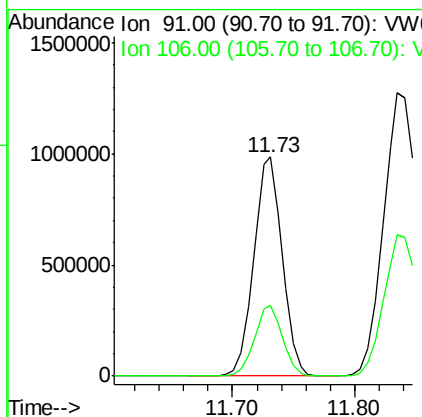
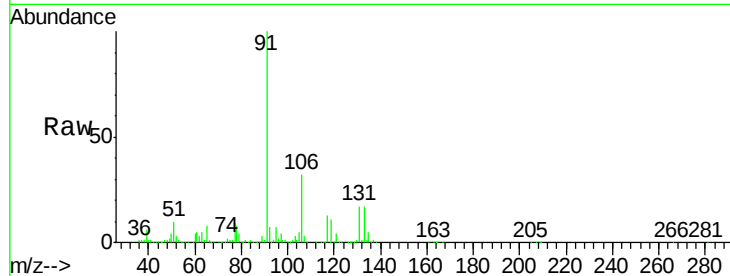




#67
Ethyl Benzene
Concen: 48.640 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

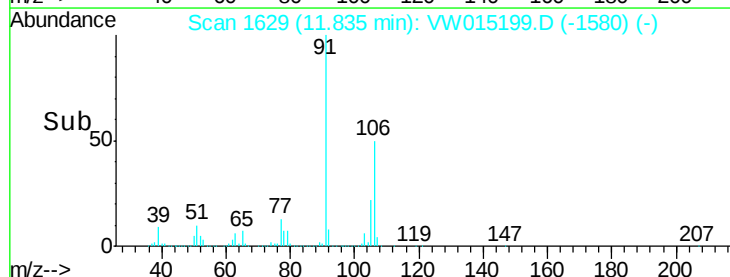
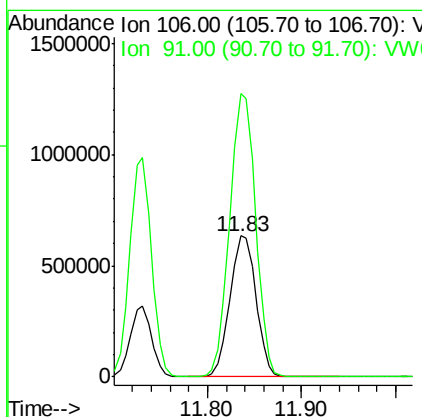
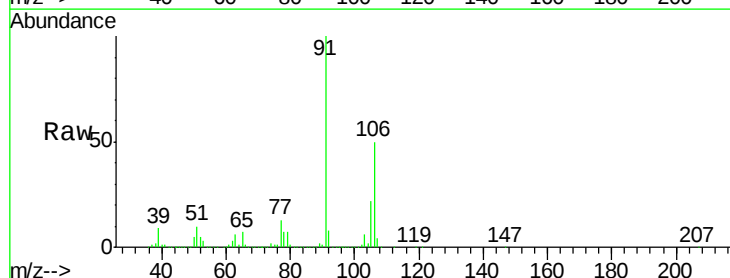
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

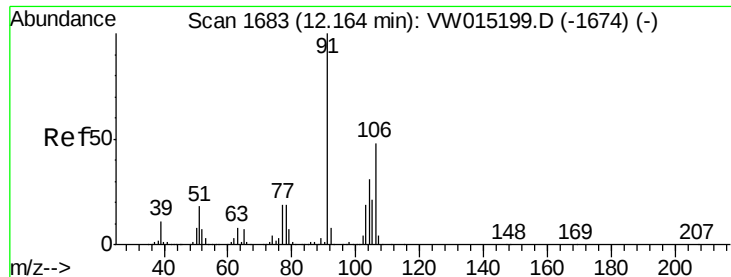
Tot Ion: 91 Resp: 1597349
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5



#68
m/p-Xylenes
Concen: 103.740 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 106 Resp: 1218525
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0

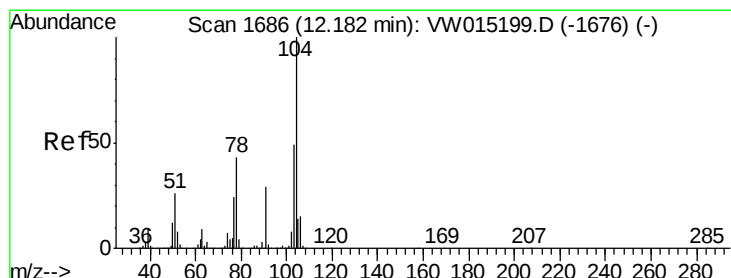
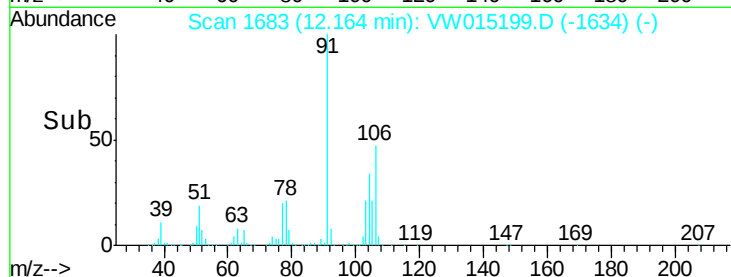
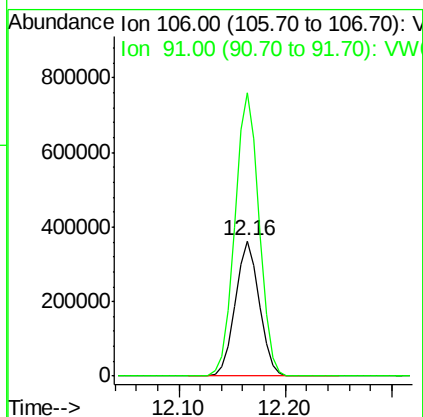
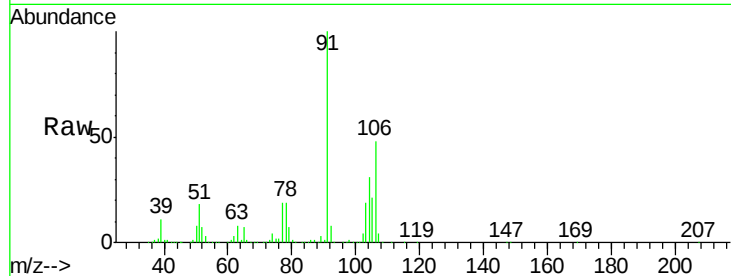




#69
o-Xylene
Concen: 53.791 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

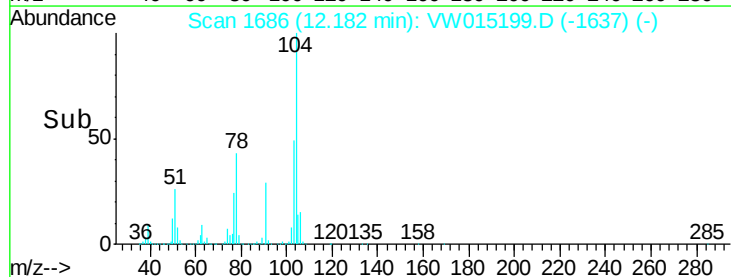
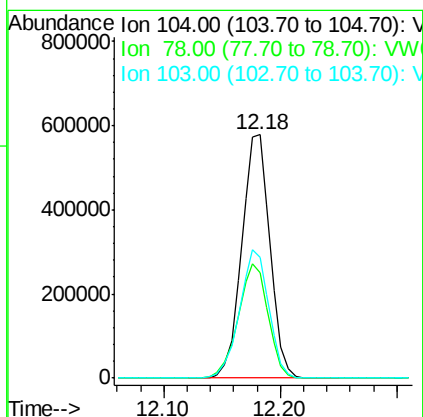
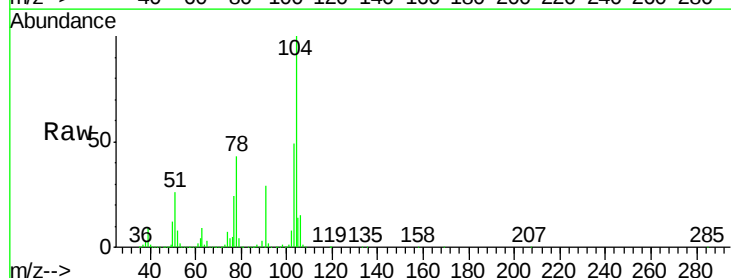
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

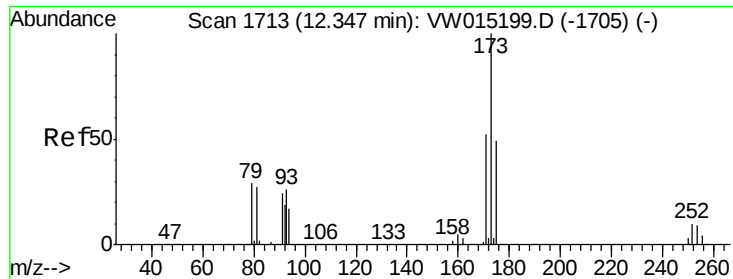
Tot Ion:106 Resp: 572845
Ion Ratio Lower Upper
106 100
91 211.4 105.7 317.1



#70
Styrene
Concen: 53.670 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion:104 Resp: 974628
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 54.7 43.8 65.6





#71

Bromoform

Concen: 57.182 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

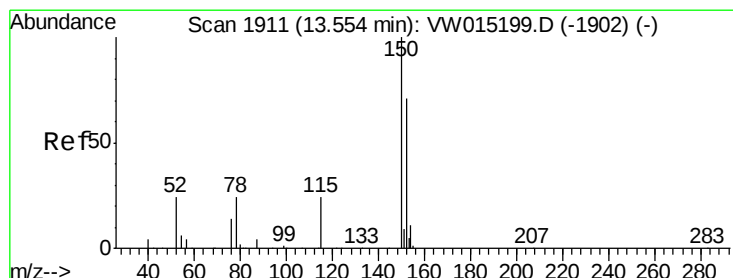
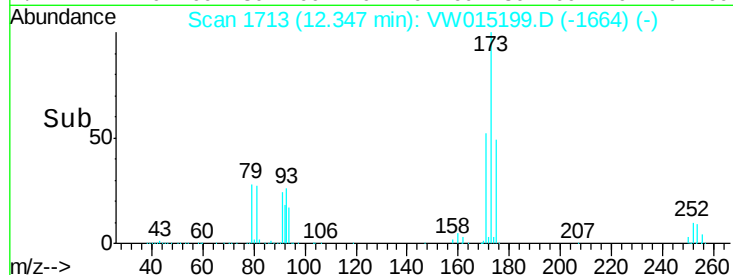
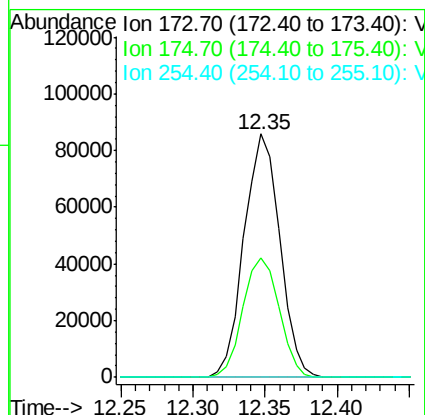
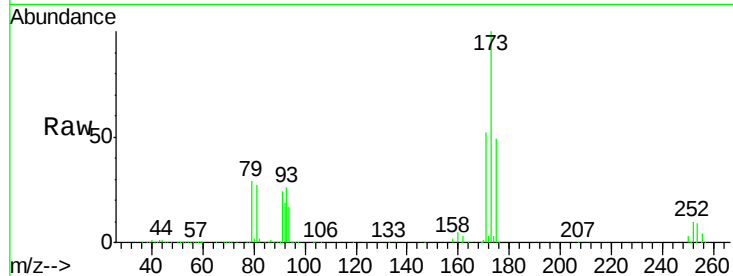
Tot Ion:173 Resp: 147515

Ion Ratio Lower Upper

173 100

175 50.3 25.1 75.4

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

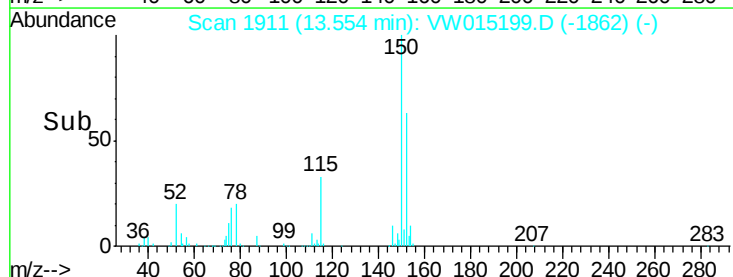
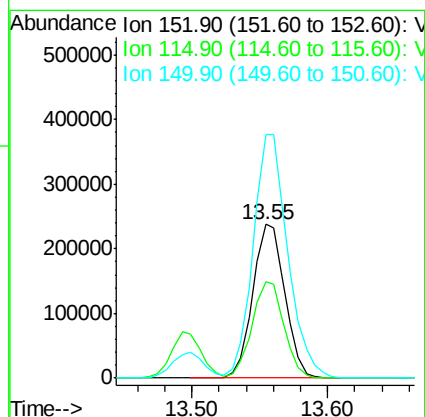
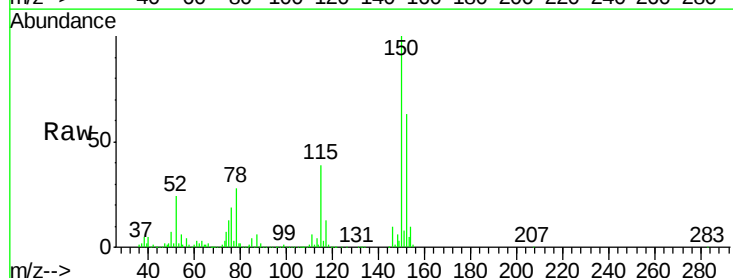
Tgt Ion:152 Resp: 392007

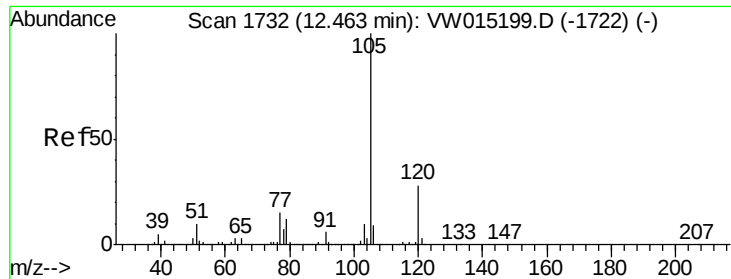
Ion Ratio Lower Upper

152 100

115 62.6 31.3 93.9

150 171.7 0.0 343.4





#73

Isopropylbenzene

Concen: 51.975 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampled :

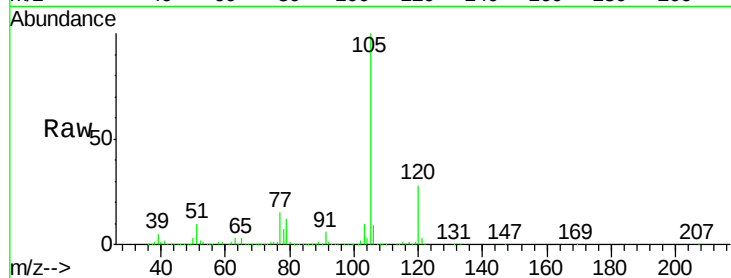
VSTDICCC050

Tot Ion:105 Resp: 1541972

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

1000000

800000

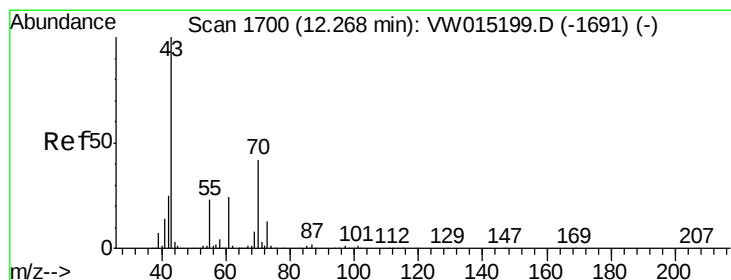
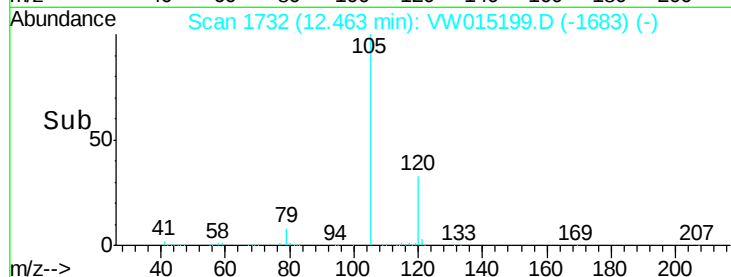
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 43.198 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Tgt Ion: 43 Resp: 363492

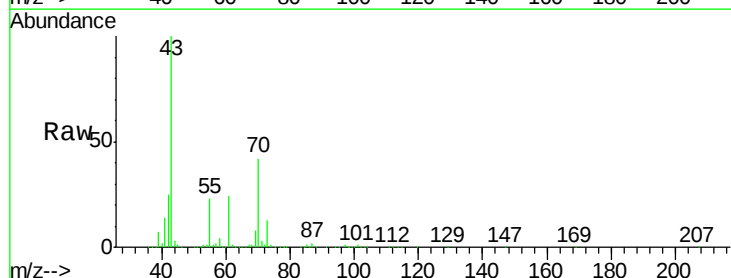
Ion Ratio Lower Upper

43 100

70 44.3 35.4 53.2

55 23.1 18.5 27.7

61 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

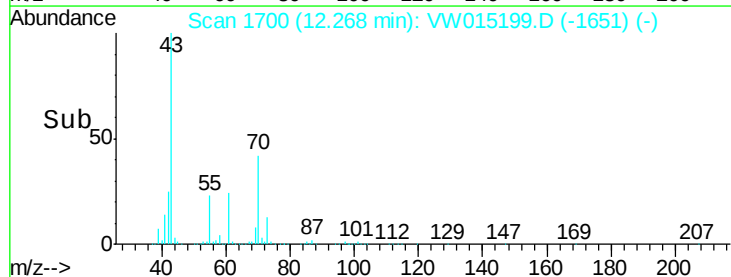
300000

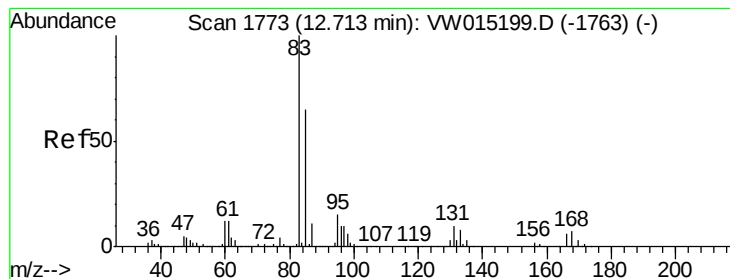
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.520 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

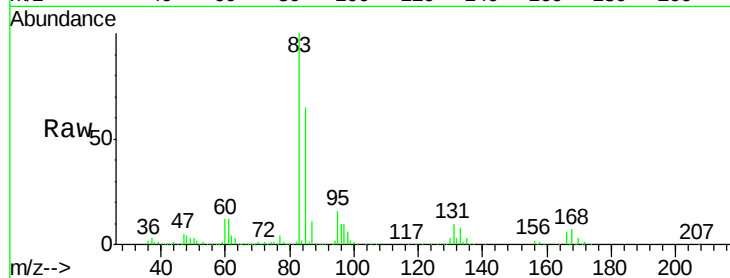
Tot Ion: 83 Resp: 262072

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

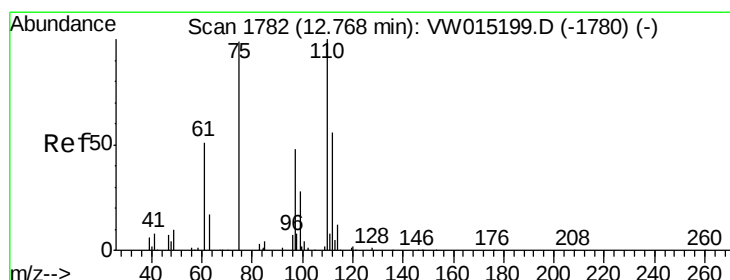
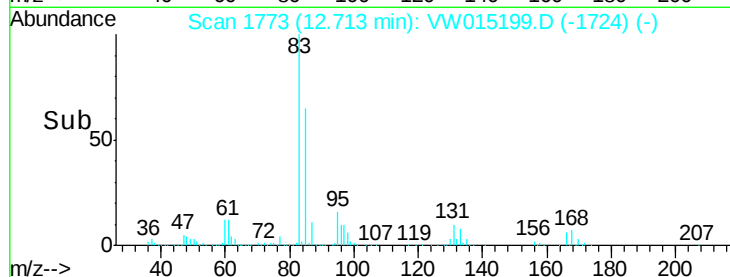
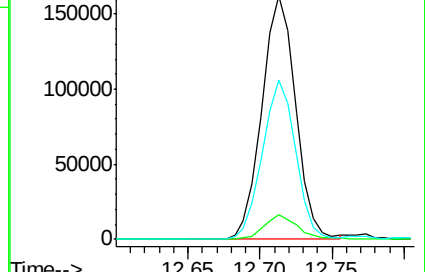
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.039 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015199.D

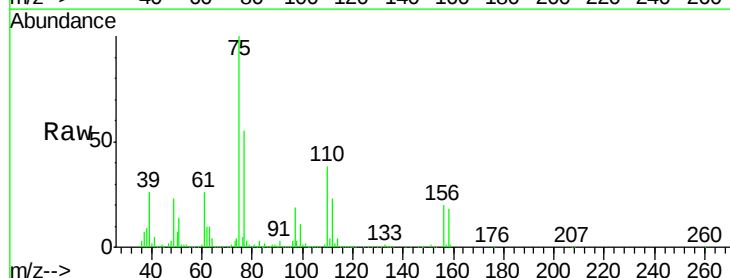
Acq: 15 Apr 2020 13:15

Tgt Ion: 75 Resp: 164260

Ion Ratio Lower Upper

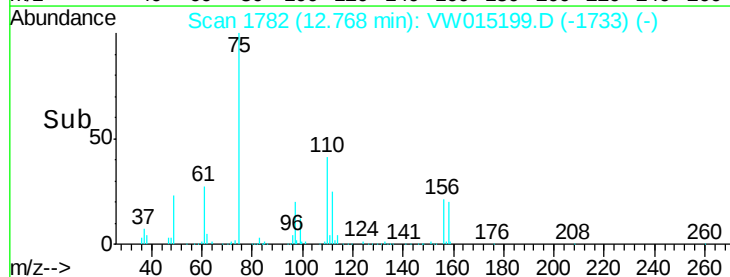
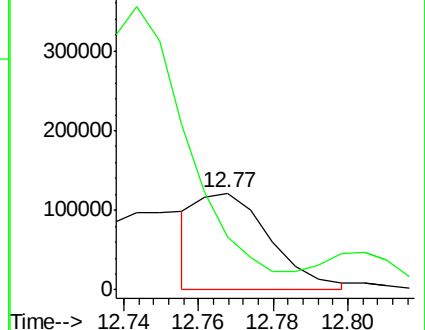
75 100

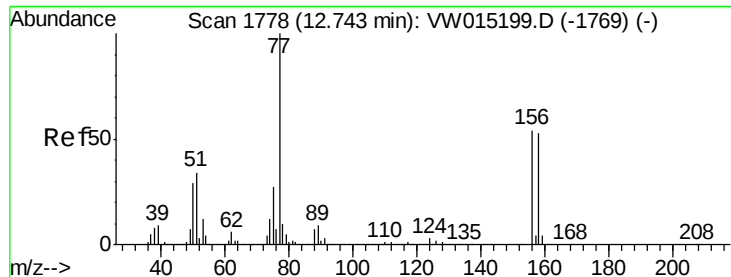
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.746 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

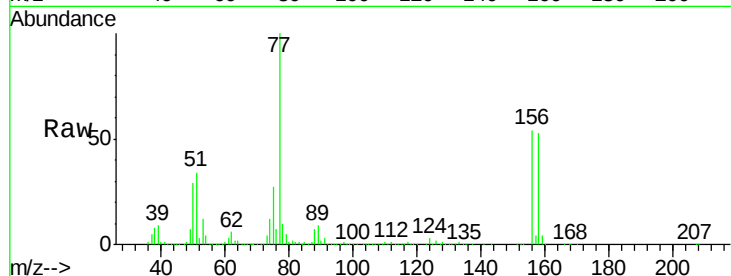
Tot Ion:156 Resp: 326471

Ion Ratio Lower Upper

156 100

77 201.0 100.5 301.5

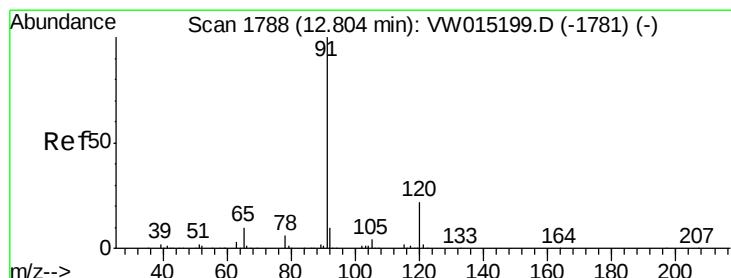
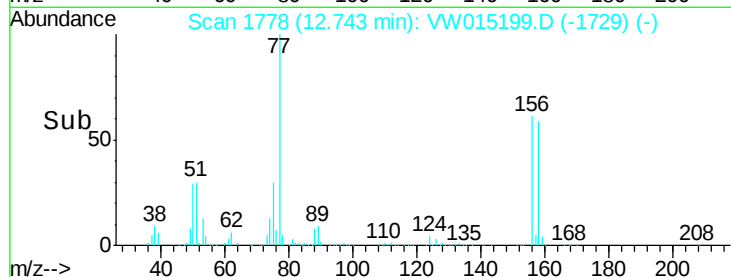
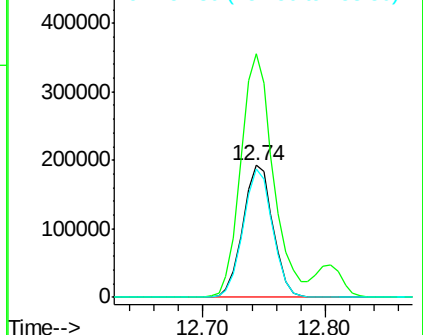
158 95.9 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.582 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015199.D

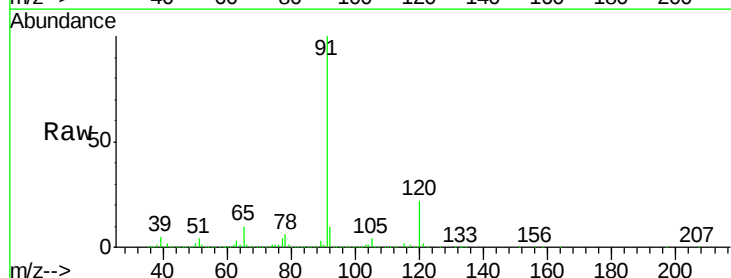
Acq: 15 Apr 2020 13:15

Tgt Ion: 91 Resp: 1891471

Ion Ratio Lower Upper

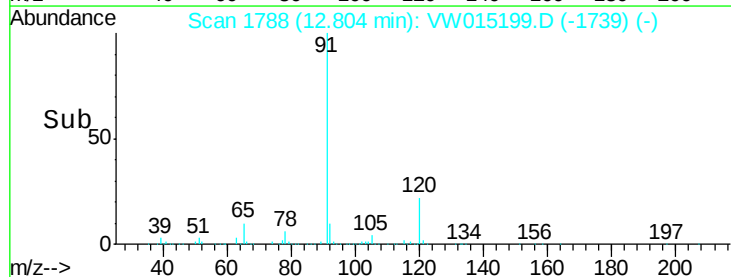
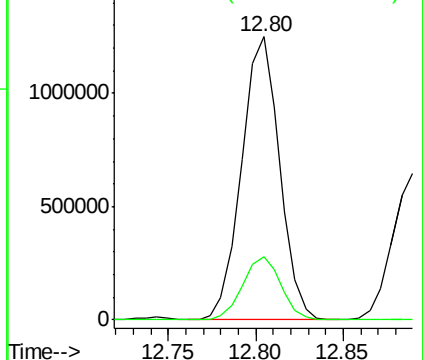
91 100

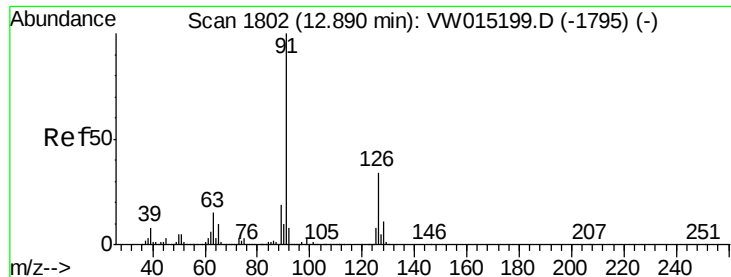
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.720 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

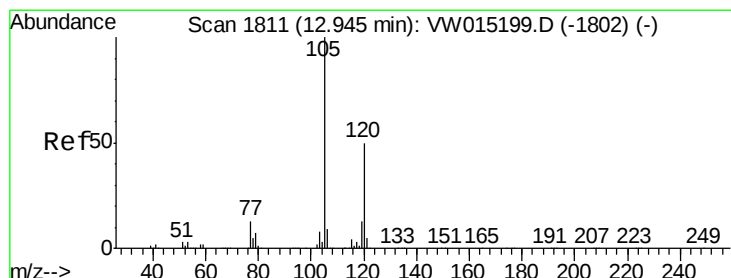
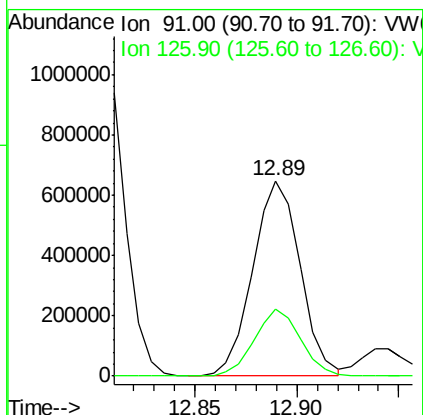
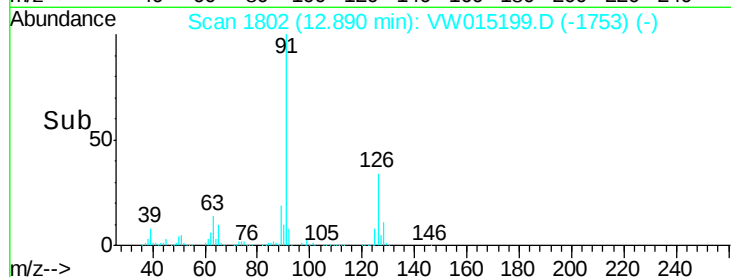
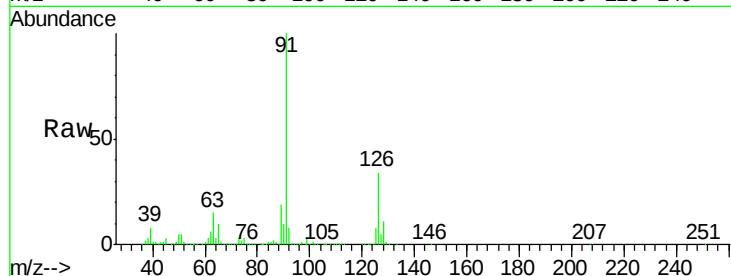
VSTDICCC050

Tot Ion: 91 Resp: 1046183

Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 51.245 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015199.D

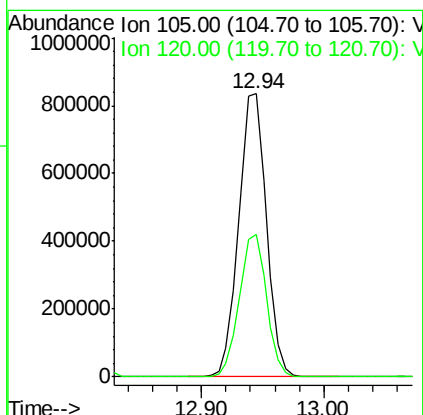
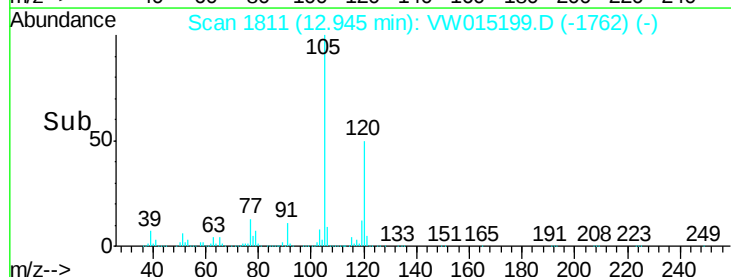
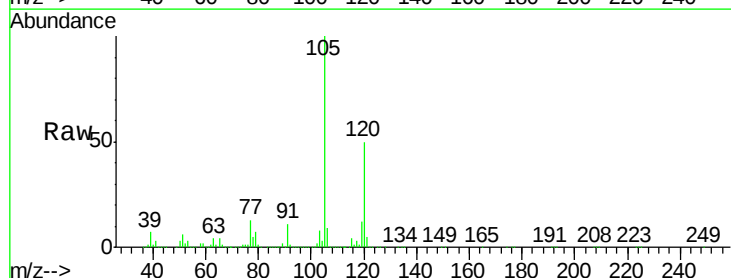
Acq: 15 Apr 2020 13:15

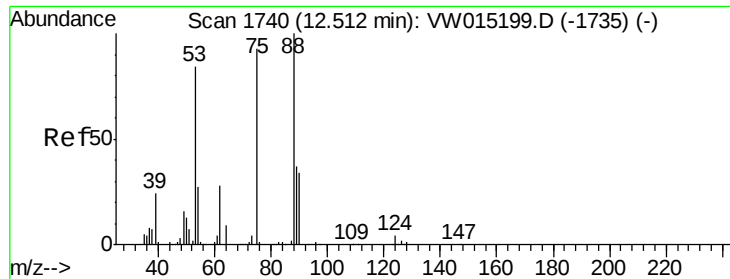
Tgt Ion: 105 Resp: 1302907

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.626 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

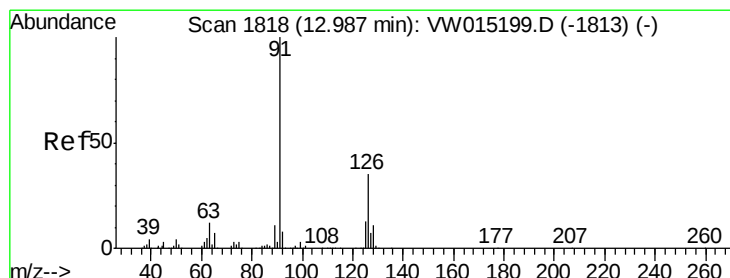
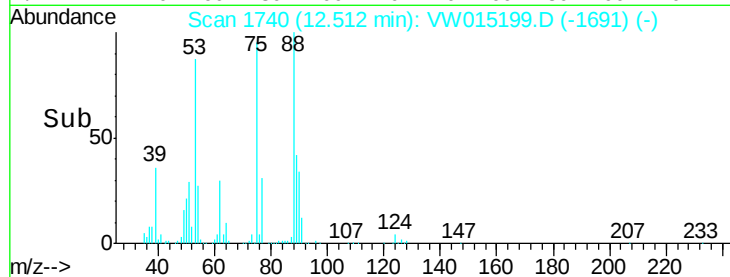
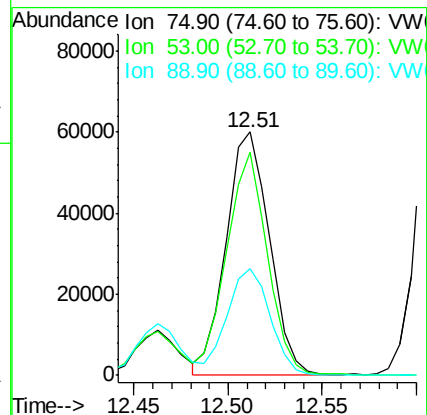
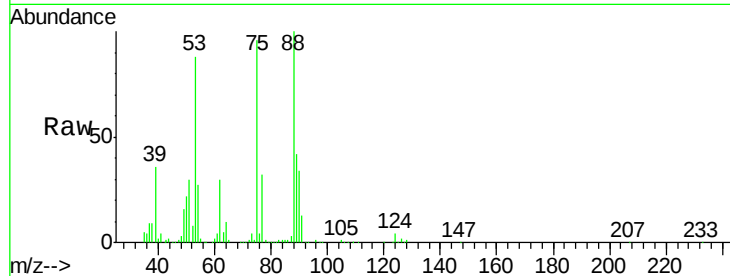
Tot Ion: 75 Resp: 95573

Ion Ratio Lower Upper

75 100

53 86.8 69.4 104.2

89 43.5 34.8 52.2



#82

4-Chlorotoluene

Concen: 48.099 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015199.D

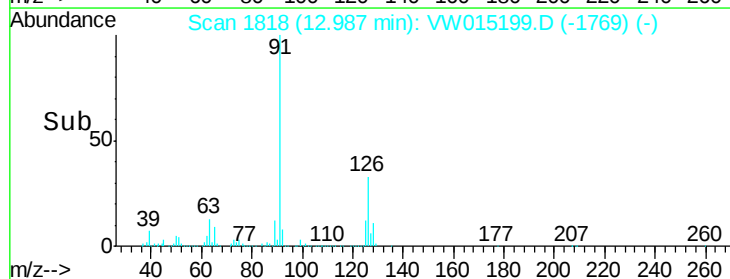
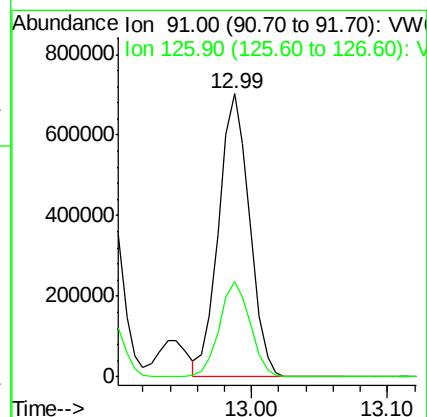
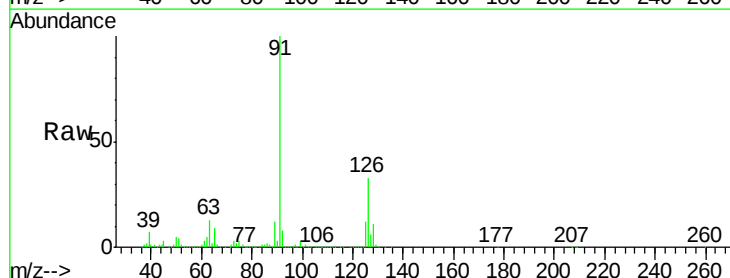
Acq: 15 Apr 2020 13:15

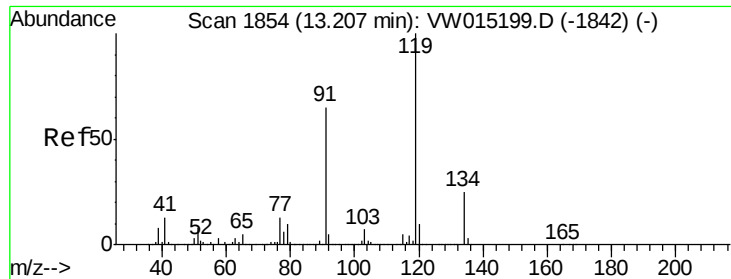
Tgt Ion: 91 Resp: 1100191

Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.3

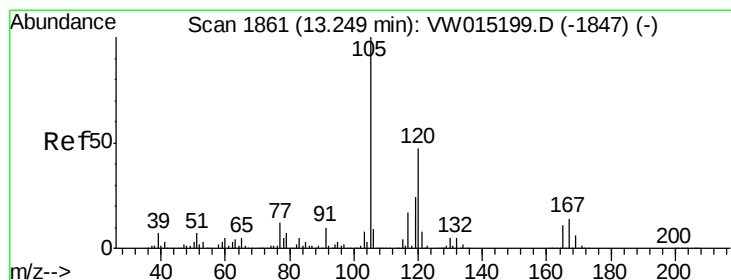
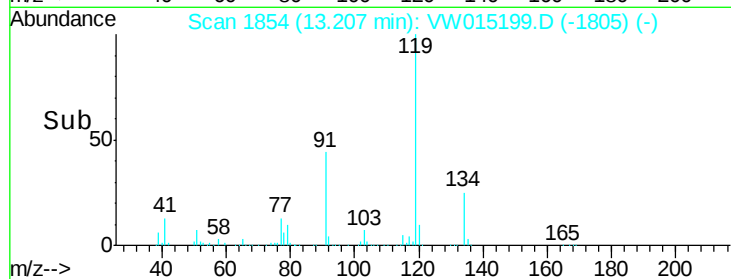
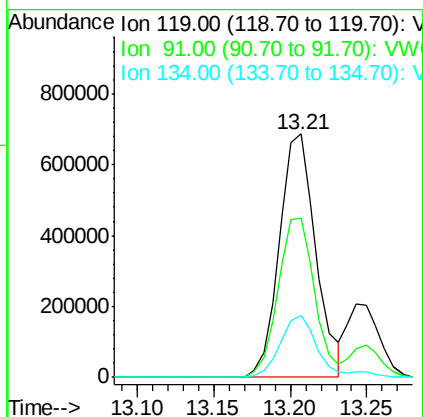
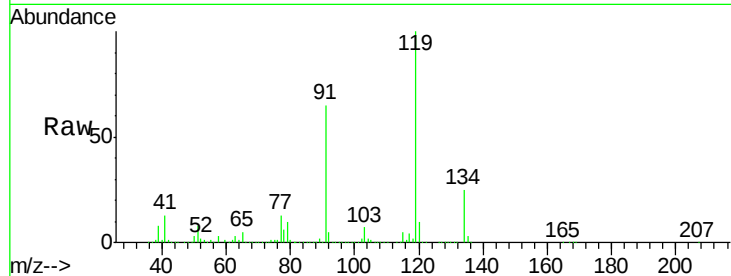




#83
 tert-Butylbenzene
 Concen: 54.466 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

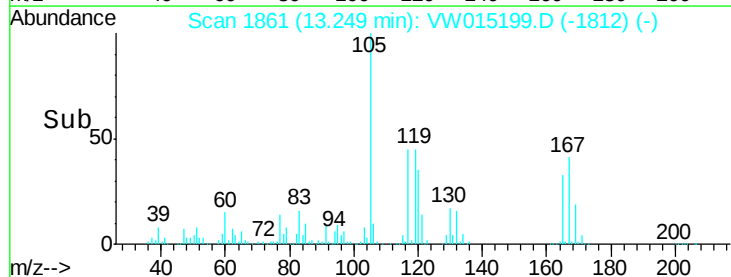
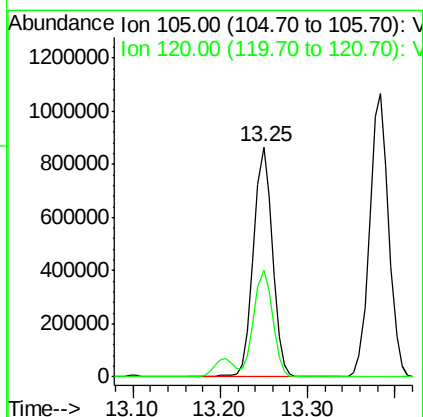
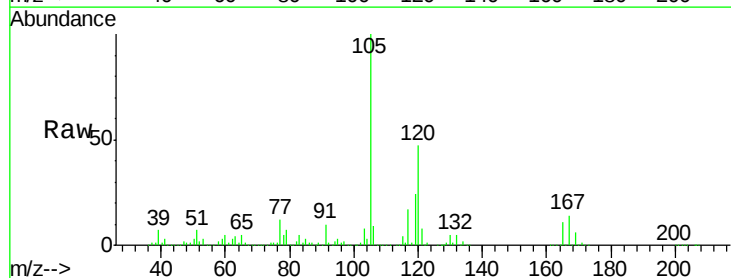
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

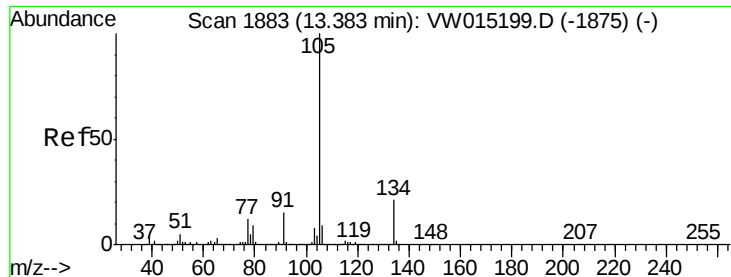
Tot Ion:119 Resp: 1134391
 Ion Ratio Lower Upper
 119 100
 91 65.5 32.8 98.3
 134 26.6 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 51.017 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion:105 Resp: 1296779
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.804 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

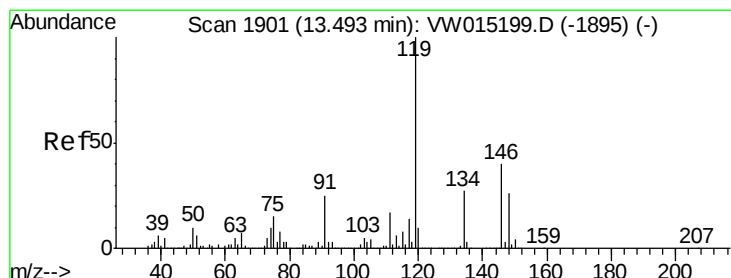
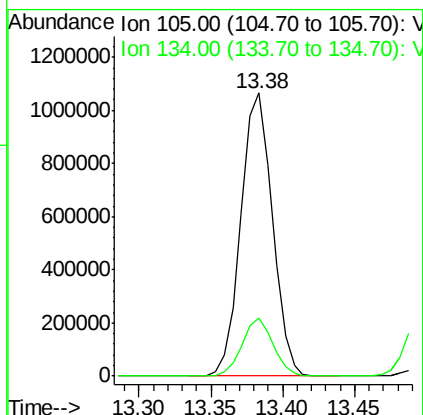
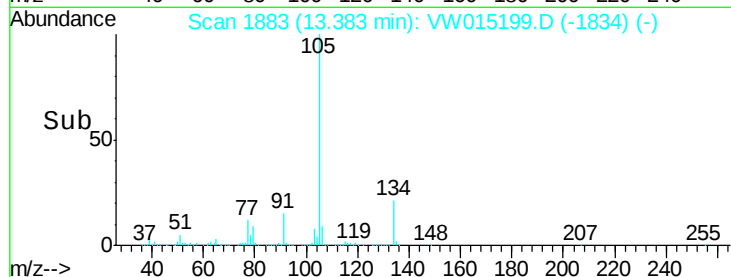
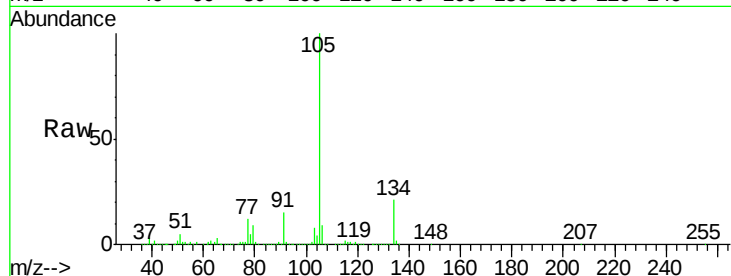
VSTDICCC050

Tot Ion:105 Resp: 1617825

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



#86

p-Isopropyltoluene

Concen: 53.445 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

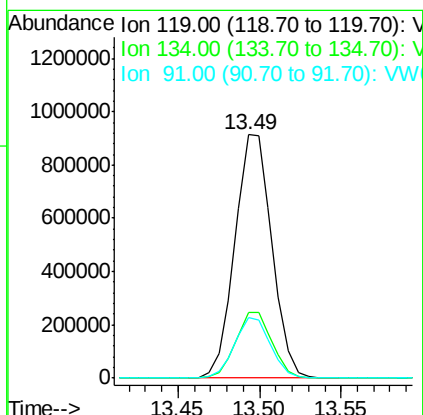
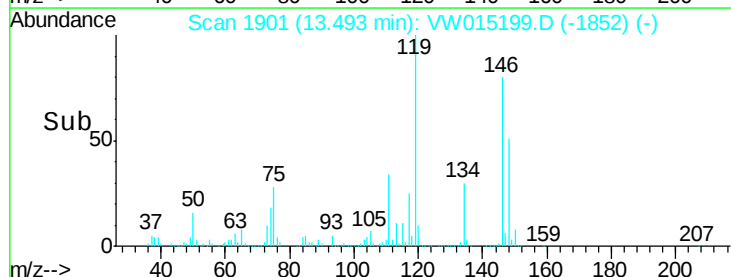
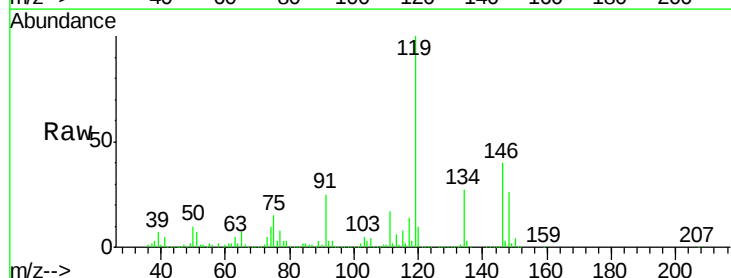
Tgt Ion:119 Resp: 1440057

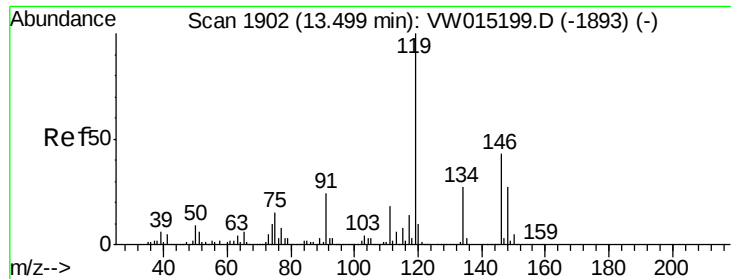
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 24.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 50.914 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

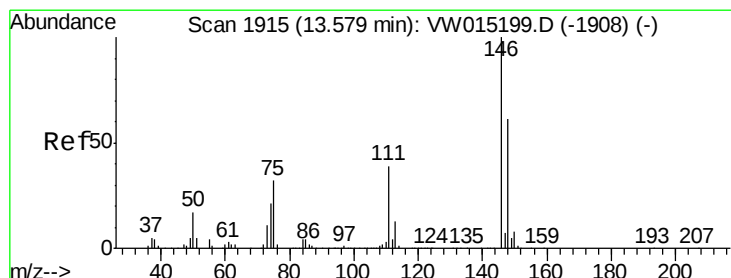
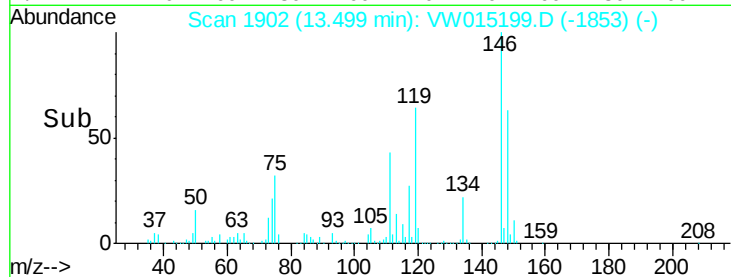
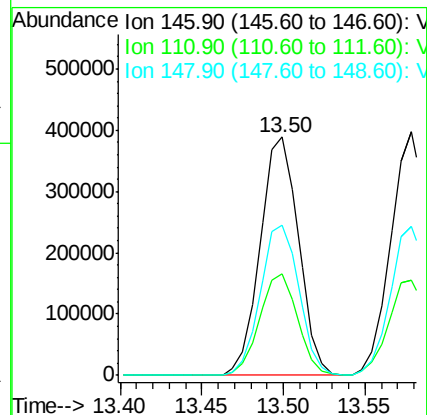
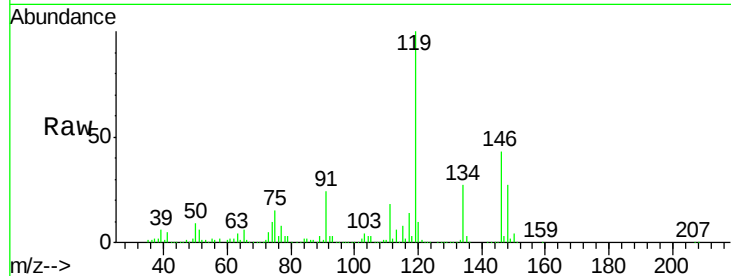
Tot Ion:146 Resp: 636807

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.4

148 63.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 51.547 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

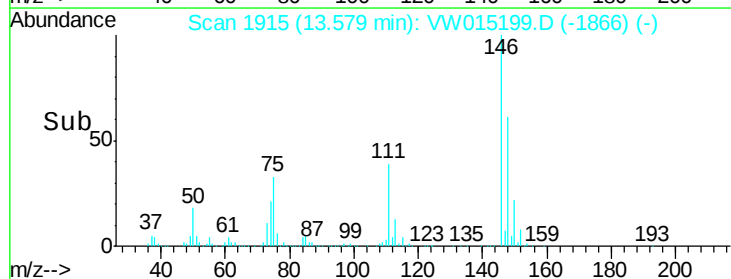
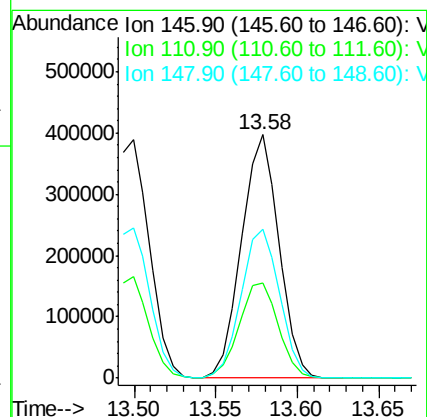
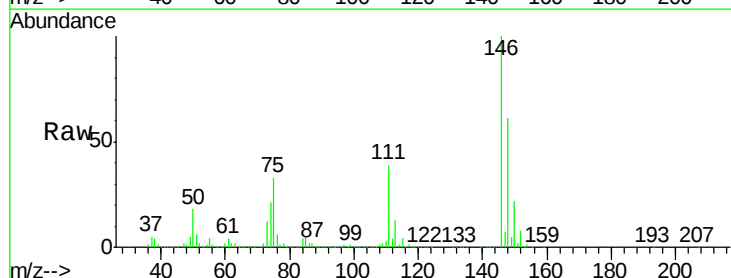
Tgt Ion:146 Resp: 636493

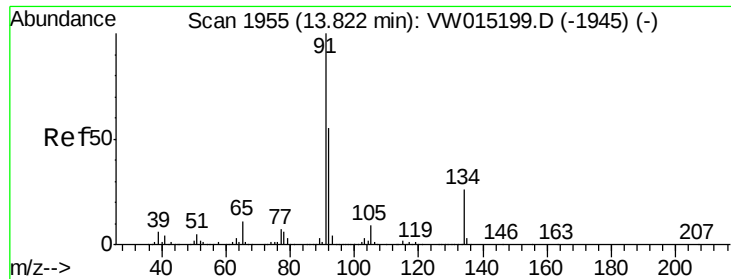
Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

148 63.0 31.5 94.5

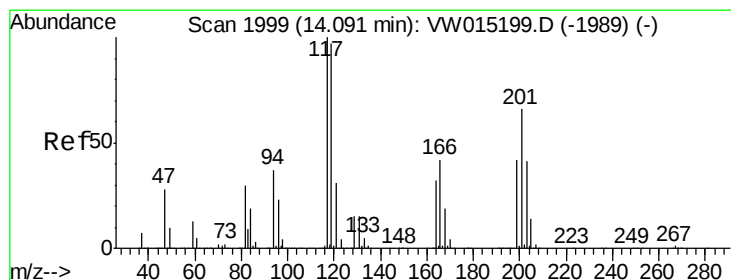
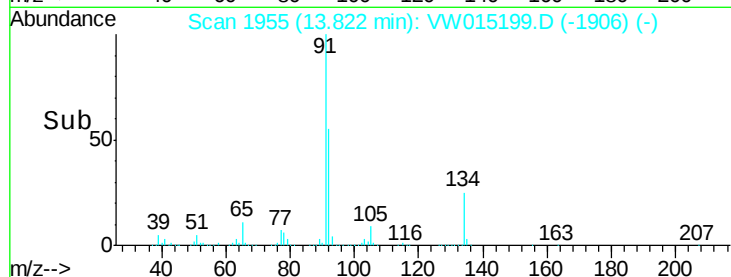
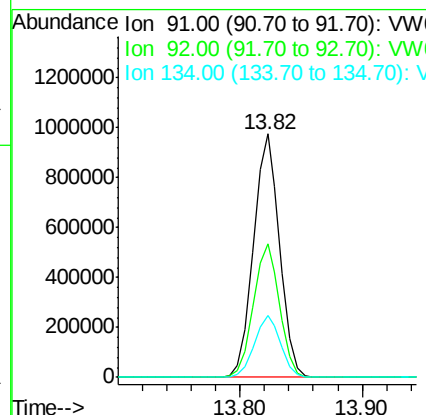
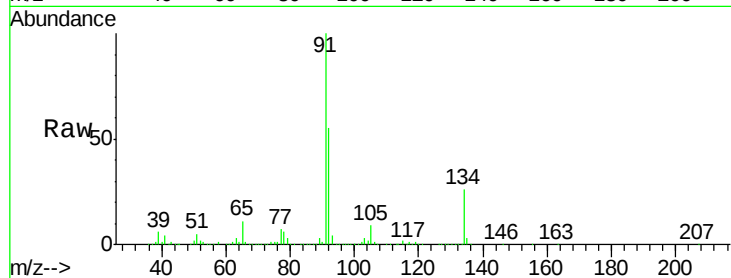




#89
n-Butylbenzene
Concen: 50.237 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

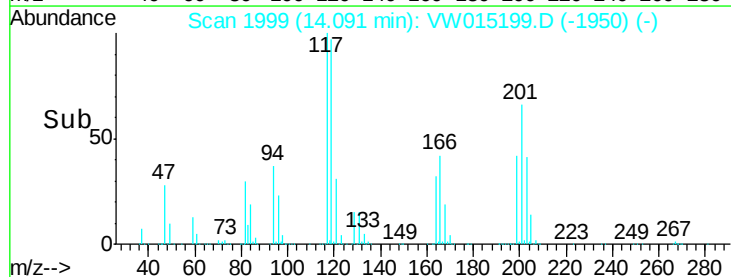
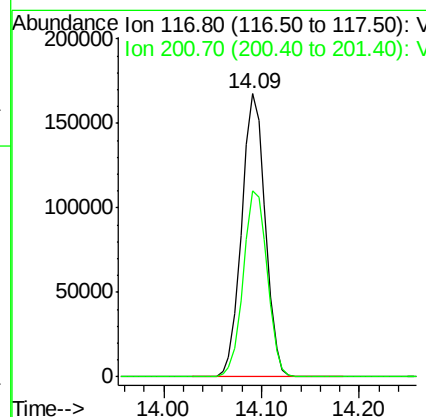
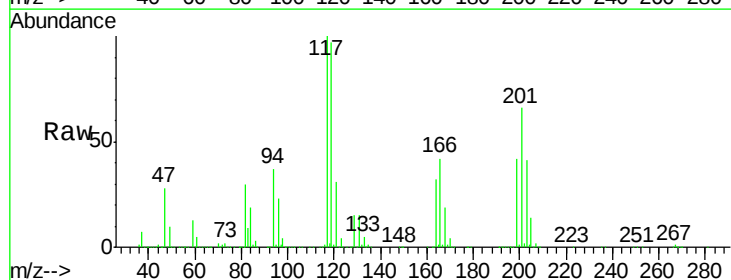
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

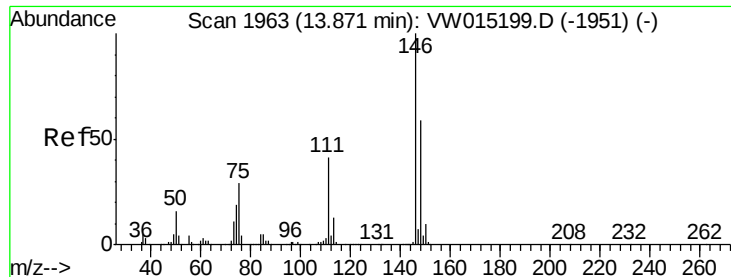
Tot Ion: 91 Resp: 1438975
Ion Ratio Lower Upper
91 100
92 55.1 27.6 82.7
134 25.5 12.8 38.3



#90
Hexachloroethane
Concen: 51.365 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015199.D
Acq: 15 Apr 2020 13:15

Tgt Ion: 117 Resp: 279549
Ion Ratio Lower Upper
117 100
201 67.1 33.6 100.6

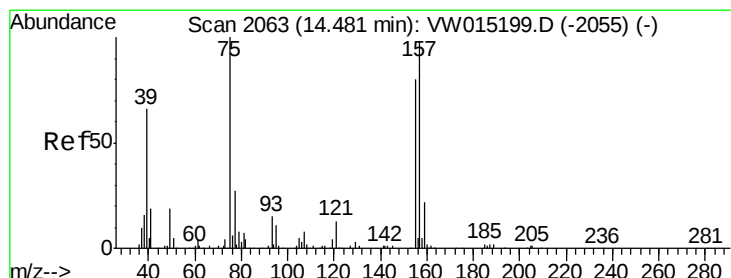
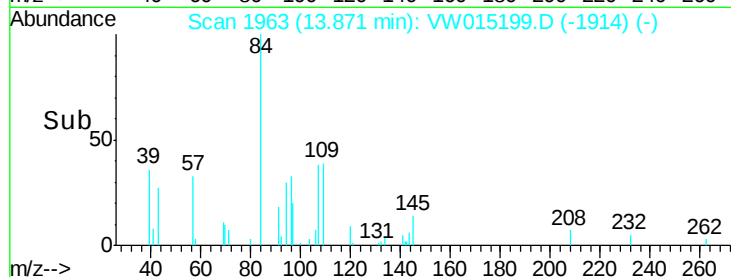
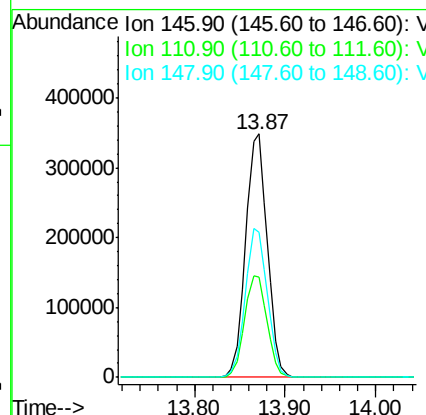
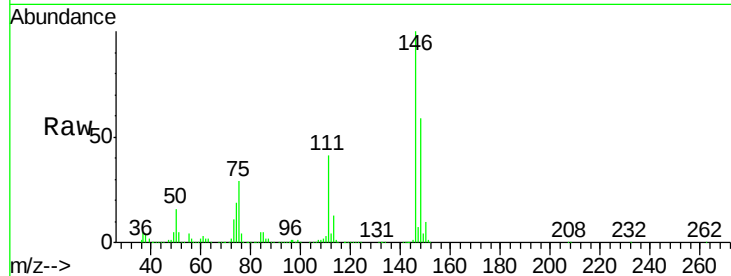




#91
 1,2-Dichlorobenzene
 Concen: 52.379 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

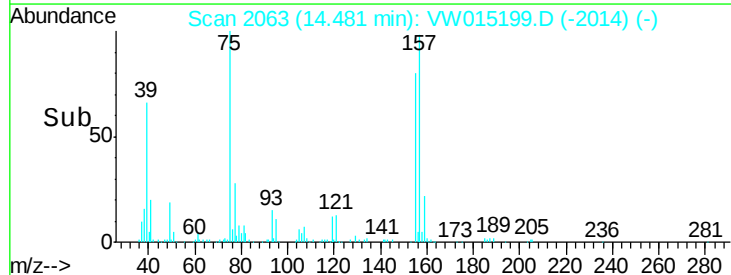
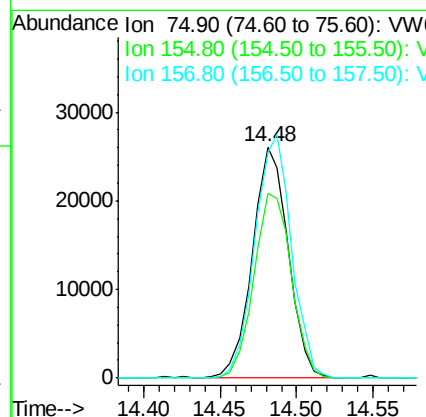
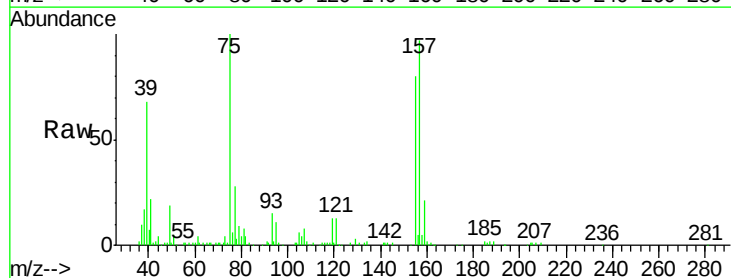
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

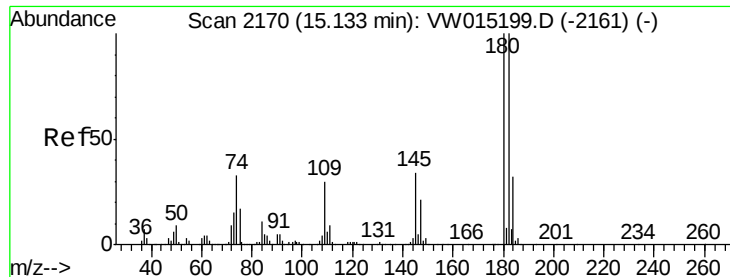
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	62.0	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.960 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.6	124.9
157	107.5	53.8	161.2

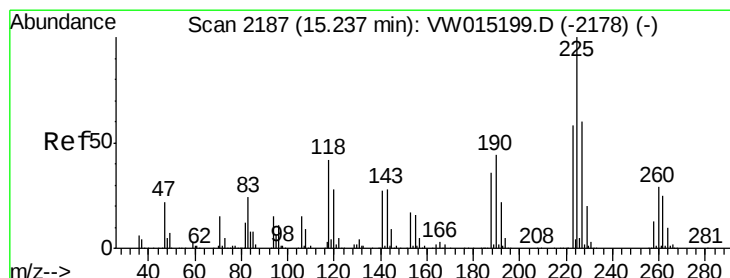
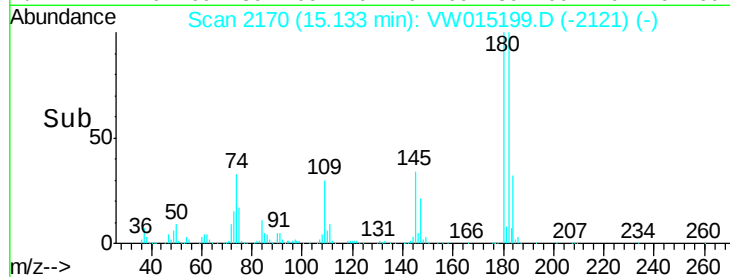
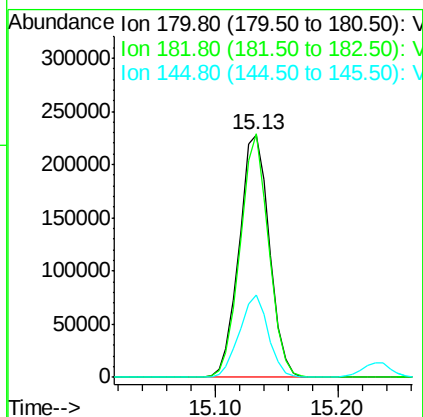
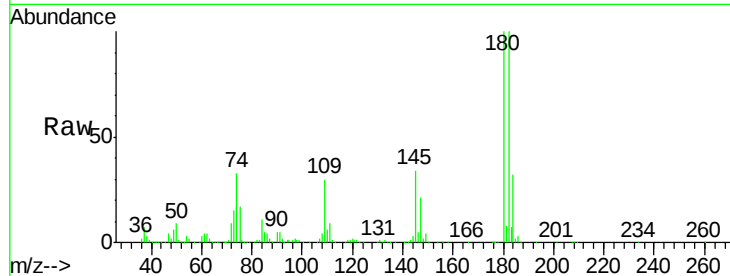




#93
 1,2,4-Trichlorobenzene
 Concen: 60.685 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

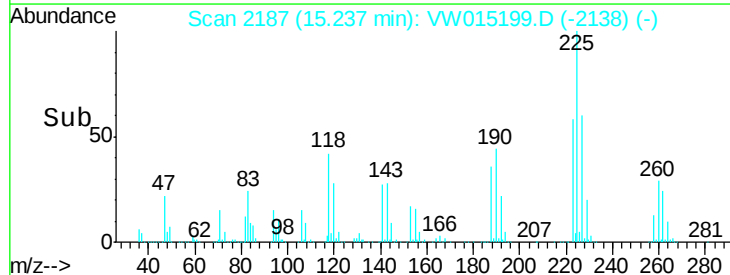
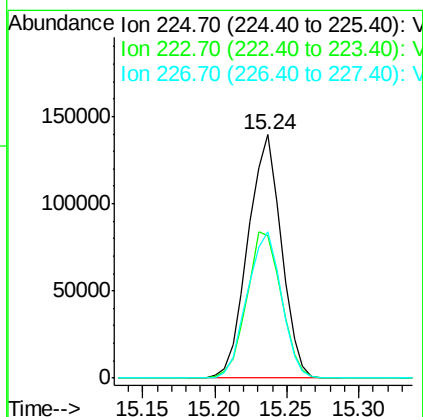
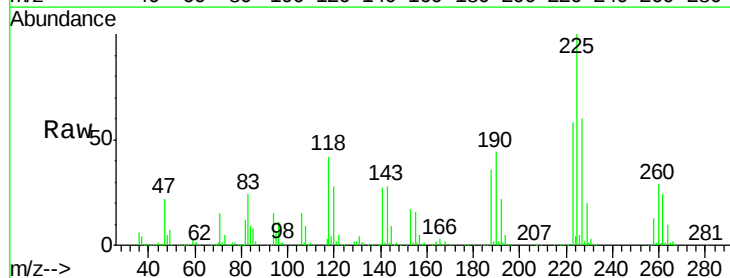
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

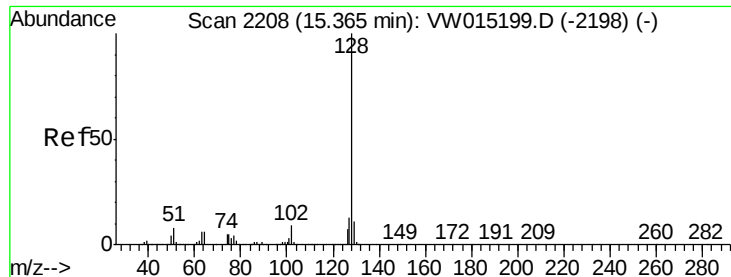
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	32.4	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 55.764 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015199.D
 Acq: 15 Apr 2020 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.0	93.0
227	61.5	30.8	92.3





#95

Naphthalene

Concen: 65.599 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

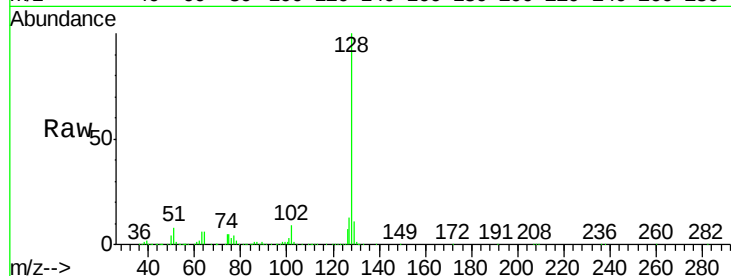
Tot Ion:128 Resp: 787377

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

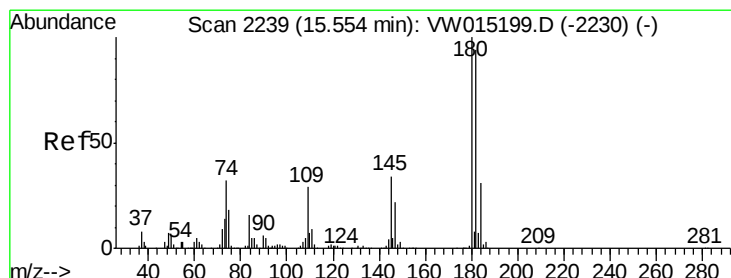
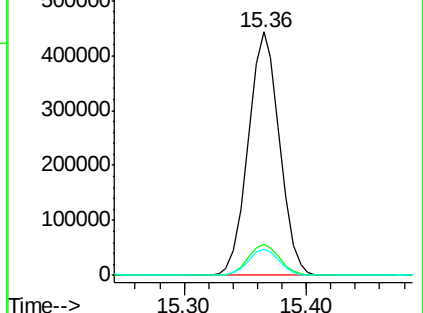
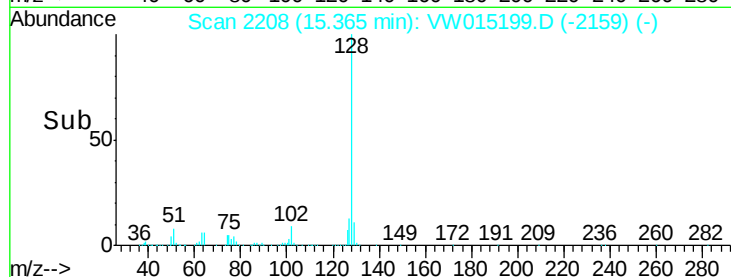
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 59.258 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015199.D

Acq: 15 Apr 2020 13:15

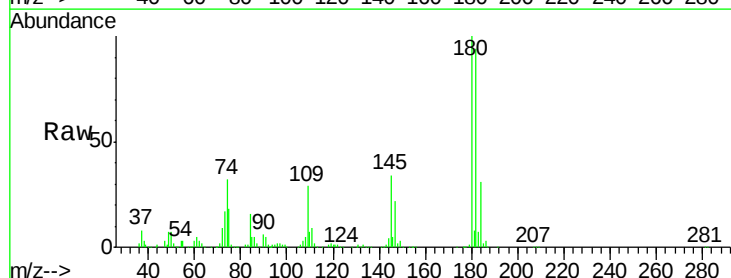
Tgt Ion:180 Resp: 336723

Ion Ratio Lower Upper

180 100

182 97.5 48.8 146.3

145 34.4 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

