

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000038.D
 Acq On : 13 Sep 2019 11:39
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Quant Time: Sep 19 12:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:58:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	123340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	239803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	207860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	88212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	66536	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	7.72	113	66694	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.18	98	278068	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.48	95	96465	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4021	4.421	ug/l	100
3) Chloromethane	2.11	50	9541	6.065	ug/l	97
4) Vinyl Chloride	2.25	62	5972	4.330	ug/l	97
5) Bromomethane	2.63	94	4551	5.191	ug/l	93
6) Chloroethane	2.78	64	3761	4.096	ug/l	98
7) Trichlorofluoromethane	3.12	101	7936	4.428	ug/l	97
8) Diethyl Ether	3.53	74	2952	4.008	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	4698	3.852	ug/l	94
10) Methyl Iodide	4.09	142	3721	2.790	ug/l #	93
11) Tert butyl alcohol	4.98	59	3221m	19.069	ug/l	
12) 1,1-Dichloroethene	3.87	96	4346	3.824	ug/l #	80
13) Acrolein	3.73	56	2691	21.236	ug/l	93
14) Allyl chloride	4.48	41	8180	4.635	ug/l	91
15) Acrylonitrile	5.17	53	8419	18.016	ug/l	97
16) Acetone	3.96	43	6228	16.905	ug/l	91
17) Carbon Disulfide	4.18	76	10980	4.797	ug/l	99
18) Methyl Acetate	4.48	43	4099	3.954	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	12324	3.580	ug/l	96
20) Methylene Chloride	4.71	84	7426	5.056	ug/l #	93
21) trans-1,2-Dichloroethene	5.21	96	5362	4.260	ug/l #	91
22) Diisopropyl ether	6.12	45	13499	3.465	ug/l #	92
23) Vinyl Acetate	6.06	43	47138	17.490	ug/l	94
24) 1,1-Dichloroethane	6.02	63	9091	3.938	ug/l #	94
25) 2-Butanone	6.99	43	11958	19.970	ug/l #	87
26) 2,2-Dichloropropane	6.99	77	9598	4.475	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	5981	3.767	ug/l	82
28) Bromochloromethane	7.33	49	3587	3.383	ug/l #	94
29) Tetrahydrofuran	7.36	42	6214	17.445	ug/l	91
30) Chloroform	7.51	83	9847	4.136	ug/l	95
31) Cyclohexane	7.78	56	10638	5.529	ug/l #	90
32) 1,1,1-Trichloroethane	7.70	97	7643	3.913	ug/l	95
36) 1,1-Dichloropropene	7.92	75	6629	3.765	ug/l	92
37) Ethyl Acetate	7.09	43	3348	2.820	ug/l #	87
38) Carbon Tetrachloride	7.90	117	6219	3.742	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	8998	4.136	ug/l	98
40) Benzene	8.16	78	21681	3.782	ug/l	98
41) Methacrylonitrile	7.32	41	2292m	3.318	ug/l	
42) 1,2-Dichloroethane	8.24	62	5789	3.952	ug/l	95
43) Isopropyl Acetate	8.28	43	7571	3.291	ug/l	96
44) Trichloroethene	8.93	130	5015	3.504	ug/l	88
45) 1,2-Dichloropropane	9.22	63	5426	3.671	ug/l	98
46) Dibromomethane	9.31	93	2590	3.157	ug/l	87
47) Bromodichloromethane	9.49	83	6741	3.442	ug/l	94
48) Methyl methacrylate	9.29	41	3876	3.818	ug/l	95
49) 1,4-Dioxane	9.31	88	1233	71.773	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	21675	16.813	ug/l	96
52) Toluene	10.24	92	13742	3.815	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	7086	3.442	ug/l #	83
54) cis-1,3-Dichloropropene	9.93	75	8193	3.420	ug/l #	91
55) 1,1,2-Trichloroethane	10.64	97	3930	3.023	ug/l	89
56) Ethyl methacrylate	10.51	69	6543	3.586	ug/l	94
57) 1,3-Dichloropropane	10.79	76	7622	3.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	15777	15.787	ug/l	97
59) 2-Hexanone	10.83	43	14769	15.897	ug/l	100
60) Dibromochloromethane	10.99	129	4488	3.277	ug/l	98
61) 1,2-Dibromoethane	11.09	107	3874	3.374	ug/l	96
64) Tetrachloroethene	10.72	164	5043	3.956	ug/l #	78
65) Chlorobenzene	11.51	112	13664	3.450	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	4651	3.389	ug/l	95
67) Ethyl Benzene	11.59	91	25693	3.571	ug/l	95
68) m/p-Xylenes	11.70	106	19016	7.003	ug/l	99
69) o-Xylene	12.02	106	9675	3.636	ug/l	96
70) Styrene	12.04	104	15177	3.278	ug/l	98
71) Bromoform	12.20	173	2383	2.876	ug/l #	98
73) Isopropylbenzene	12.32	105	24464	3.630	ug/l	100
74) N-amyl acetate	12.14	43	6323	3.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	5570	3.456	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	4245m	3.465	ug/l	
77) Bromobenzene	12.60	156	5166	3.623	ug/l	97
78) n-propylbenzene	12.66	91	29859	3.625	ug/l	100
79) 2-Chlorotoluene	12.75	91	16710	3.628	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	19881	3.533	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2097	3.395	ug/l #	84
82) 4-Chlorotoluene	12.85	91	17310	3.581	ug/l	98
83) tert-Butylbenzene	13.07	119	17259	3.569	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	20109	3.617	ug/l	100
85) sec-Butylbenzene	13.25	105	26844	3.762	ug/l	99
86) p-Isopropyltoluene	13.36	119	20713	3.422	ug/l	95
87) 1,3-Dichlorobenzene	13.36	146	9938	3.463	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	10641	3.685	ug/l	92
89) n-Butylbenzene	13.69	91	21161	3.449	ug/l	99
90) Hexachloroethane	13.95	117	4060	3.356	ug/l	82
91) 1,2-Dichlorobenzene	13.74	146	9475	3.548	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1105	3.526	ug/l	83

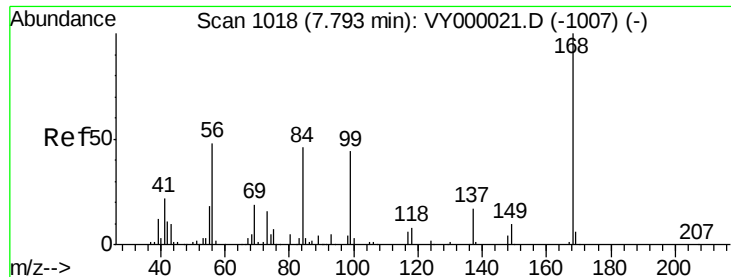
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5076	2.979	ug/l	92
94) Hexachlorobutadiene	15.10	225	2795	3.576	ug/l	97
95) Naphthalene	15.23	128	15839	3.398	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	5477	3.581	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

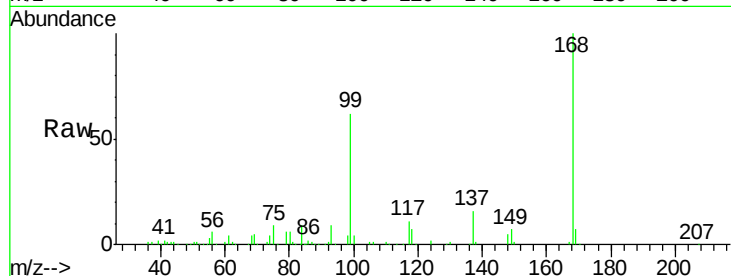
MDL2

Tot Ion:168 Resp: 123340

Ion Ratio Lower Upper

168 100

99 62.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000038.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000038.D (-969) (-)

7.79

60000

50000

40000

30000

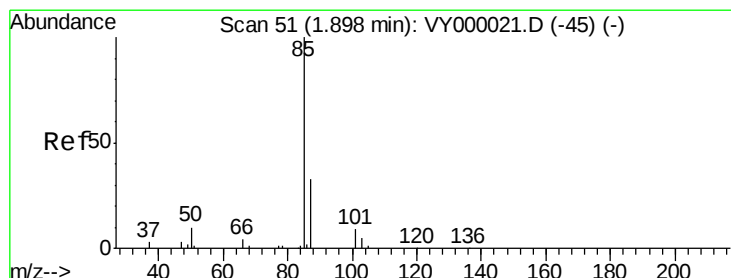
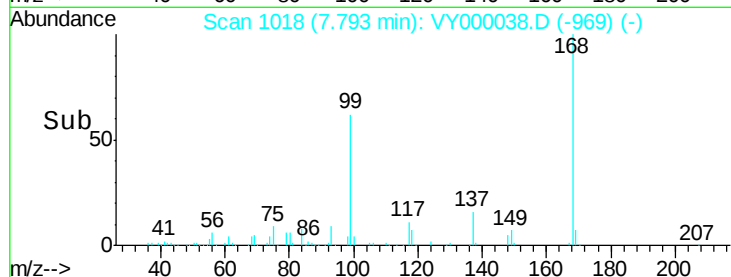
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.421 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000038.D

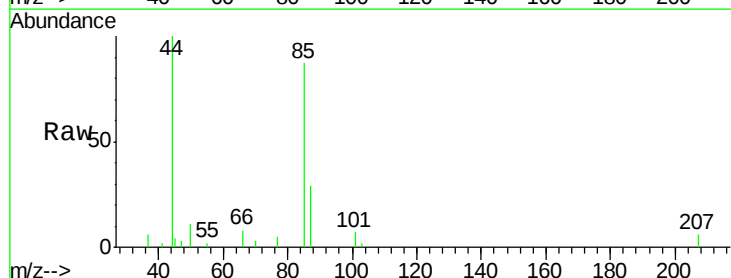
Acq: 13 Sep 2019 11:39

Tgt Ion: 85 Resp: 4021

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000038.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000038.D (-2) (-)

1.90

3000

2500

2000

1500

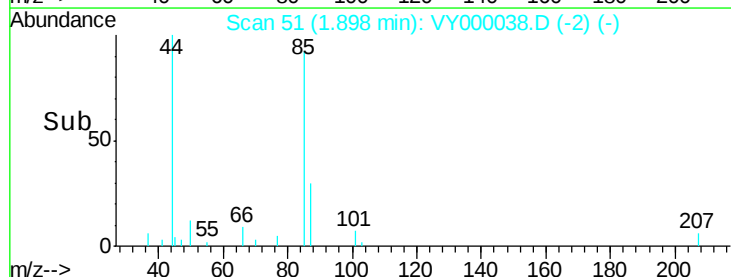
1000

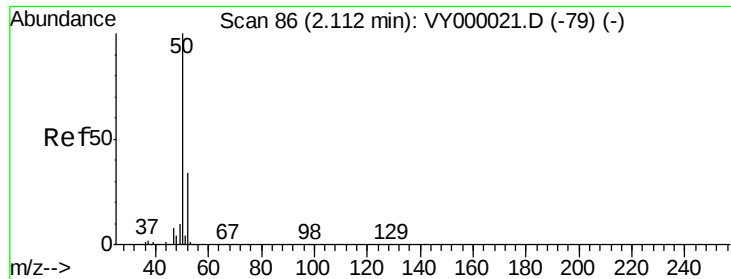
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 6.065 ug/l

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

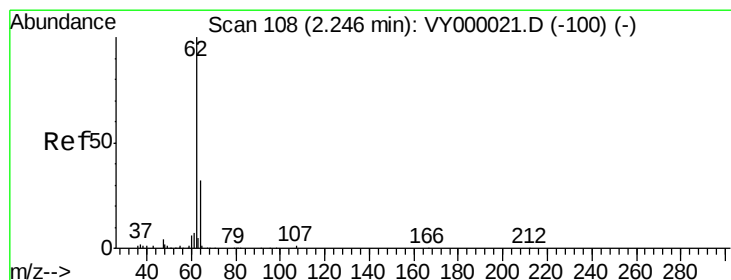
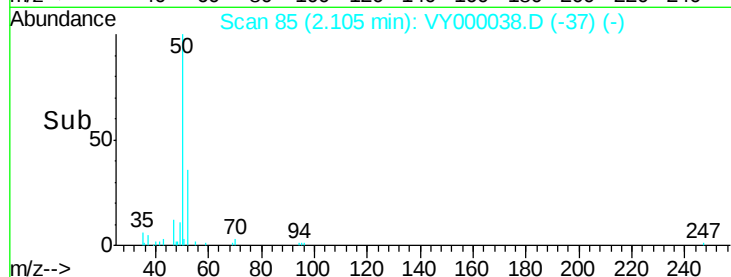
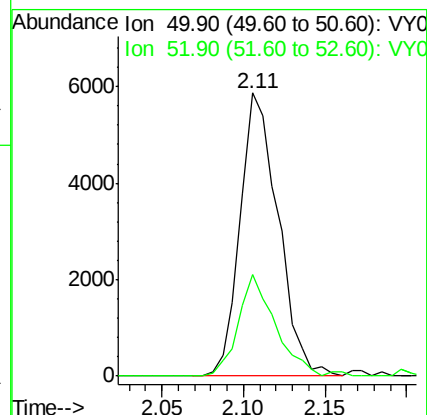
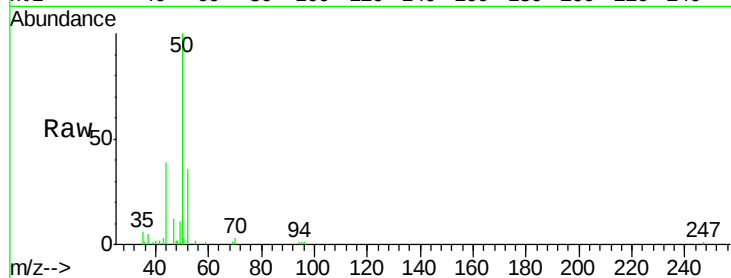
MDL2

Tot Ion: 50 Resp: 9541

Ion Ratio Lower Upper

50 100

52 35.8 27.0 40.6



#4

Vinyl Chloride

Concen: 4.330 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000038.D

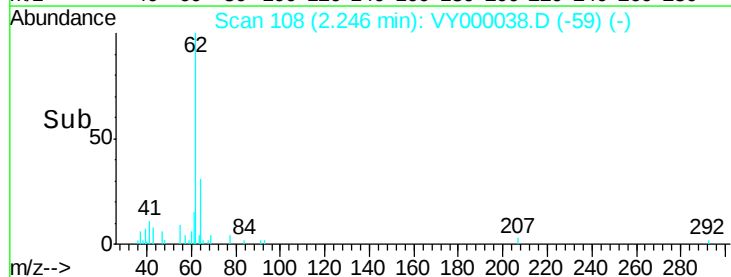
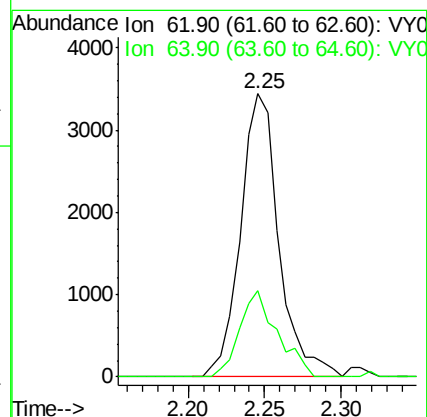
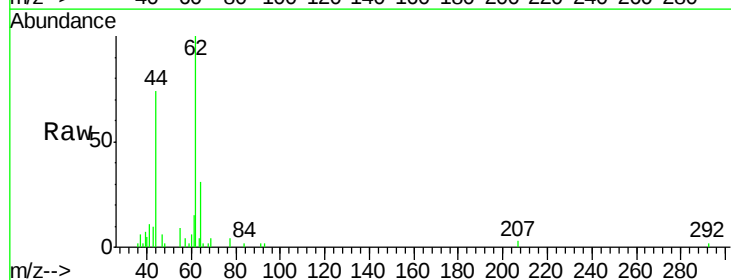
Acq: 13 Sep 2019 11:39

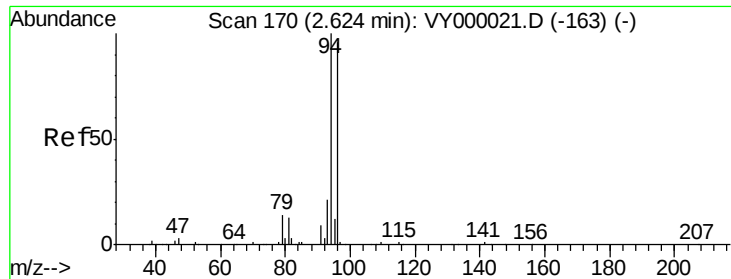
Tgt Ion: 62 Resp: 5972

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 5.191 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

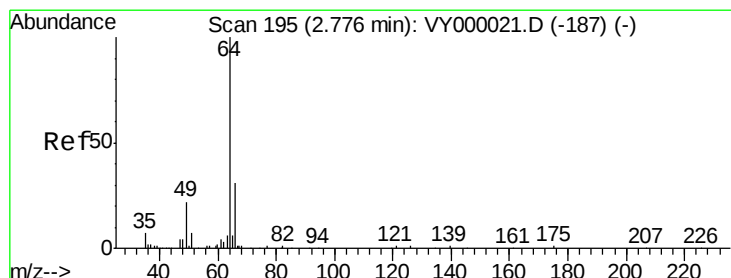
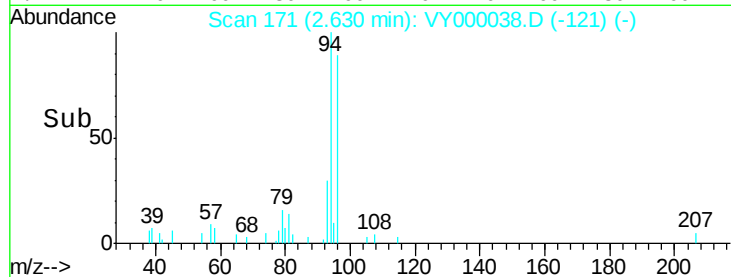
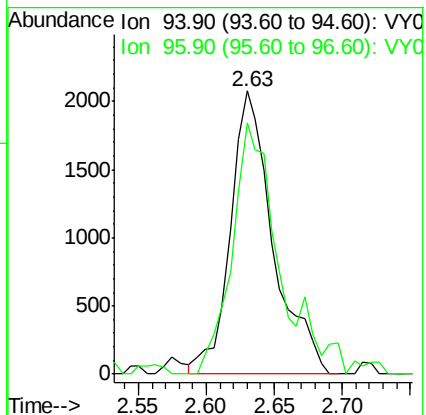
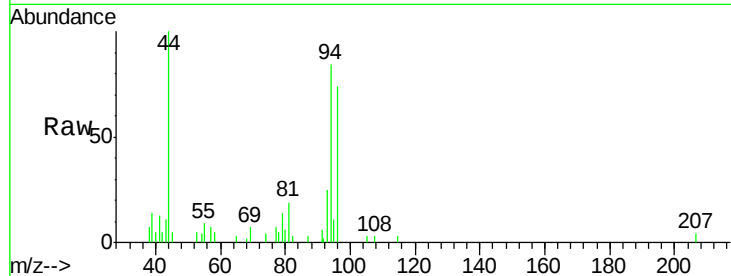
MDL2

Tot Ion: 94 Resp: 4551

Ion Ratio Lower Upper

94 100

96 88.7 76.8 115.2



#6

Chloroethane

Concen: 4.096 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000038.D

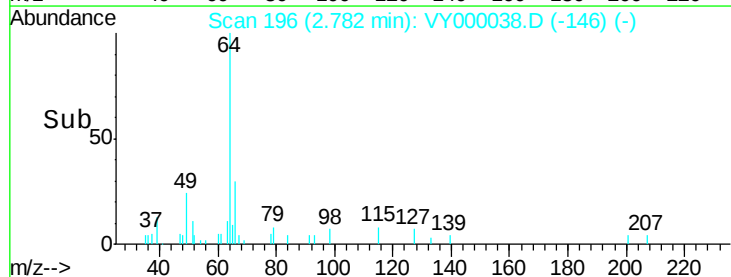
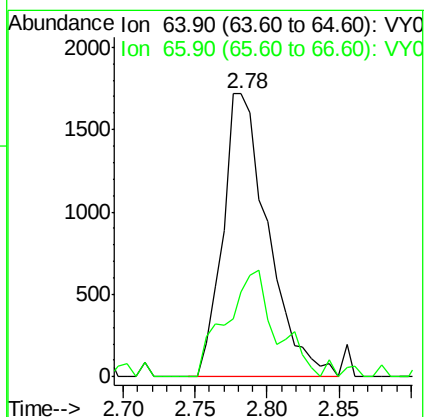
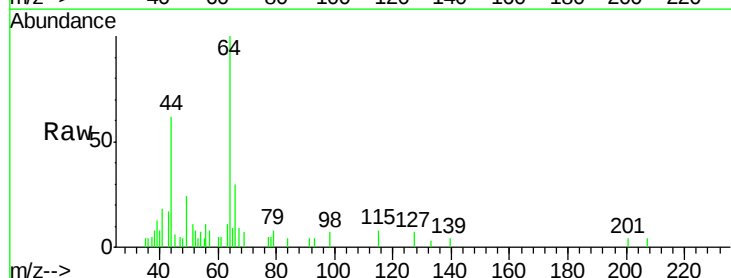
Acq: 13 Sep 2019 11:39

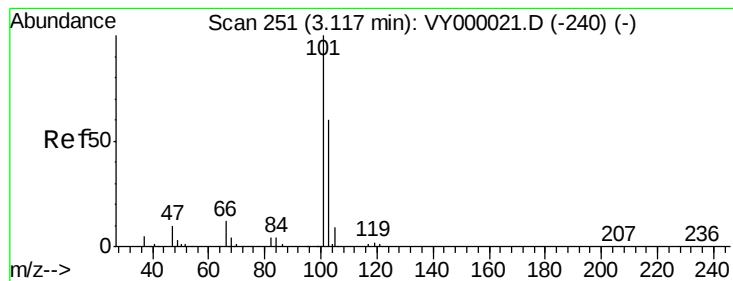
Tgt Ion: 64 Resp: 3761

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.6



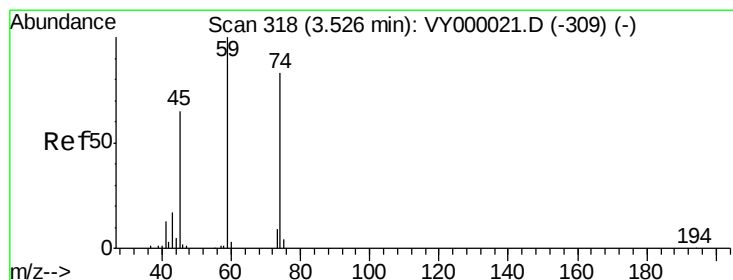
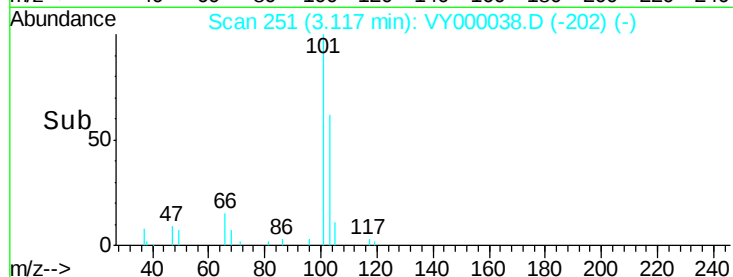
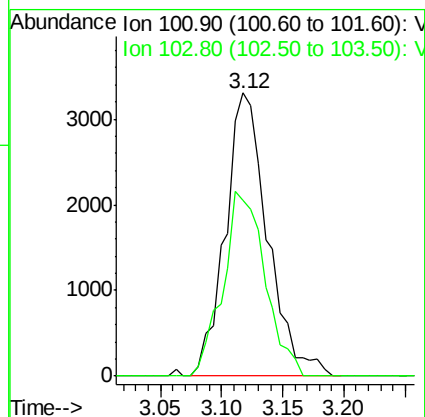
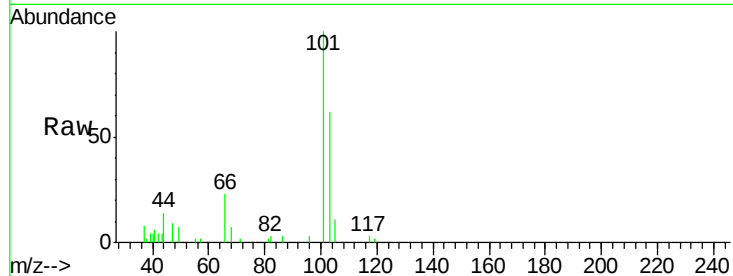


#7

Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

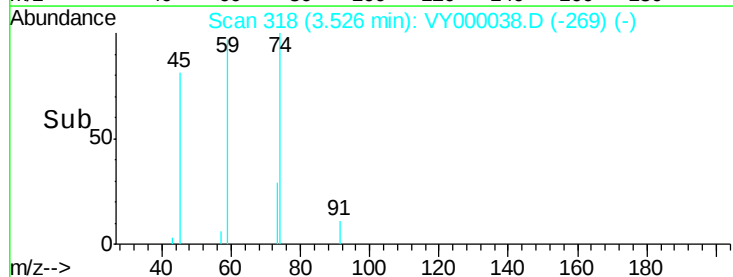
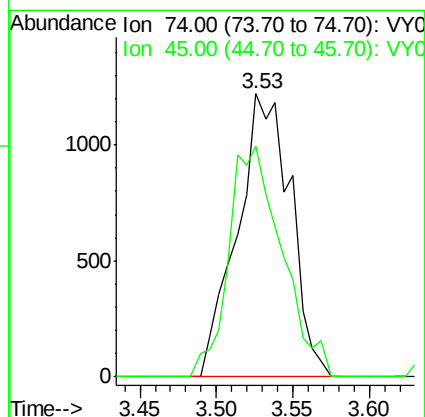
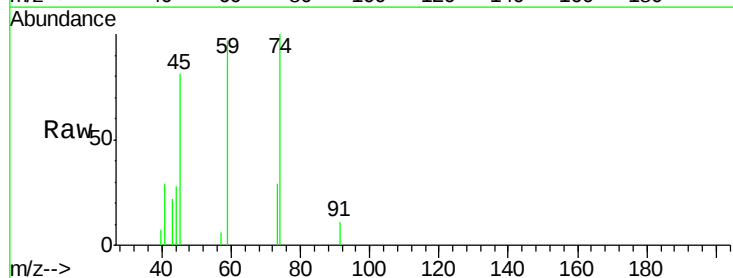
Tot Ion:101 Resp: 7936
Ion Ratio Lower Upper
101 100
103 62.2 48.1 72.1

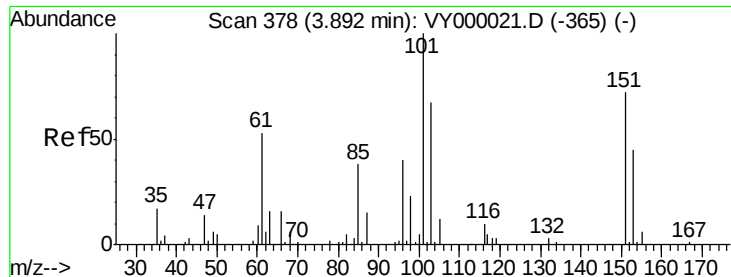


#8

Diethyl Ether
Concen: 4.008 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 74 Resp: 2952
Ion Ratio Lower Upper
74 100
45 81.5 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.852 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

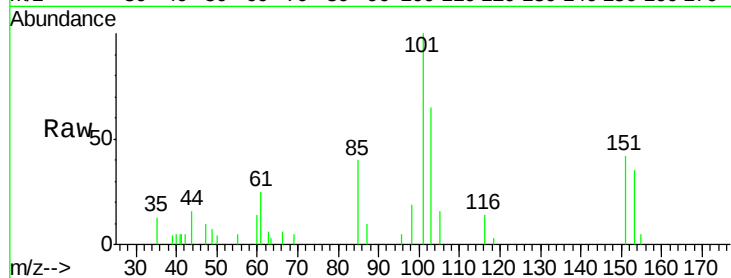
Tot Ion:101 Resp: 4698

Ion Ratio Lower Upper

101 100

85 47.0 35.3 52.9

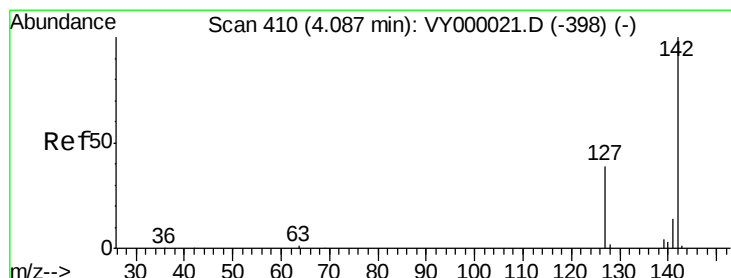
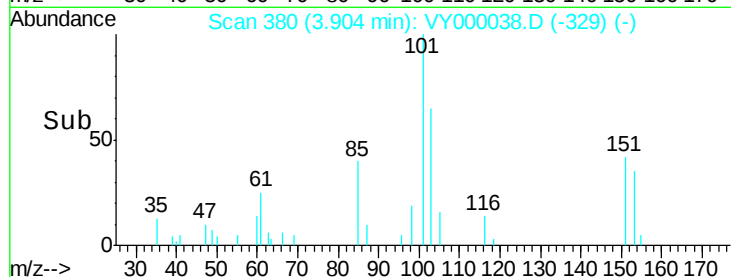
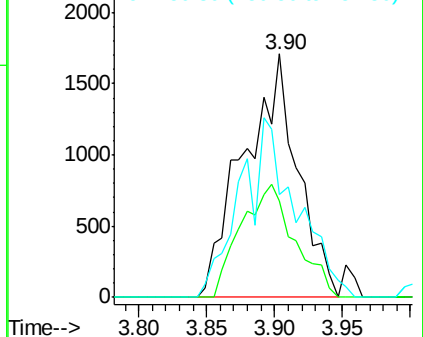
151 76.1 55.9 83.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.790 ug/l

RT: 4.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

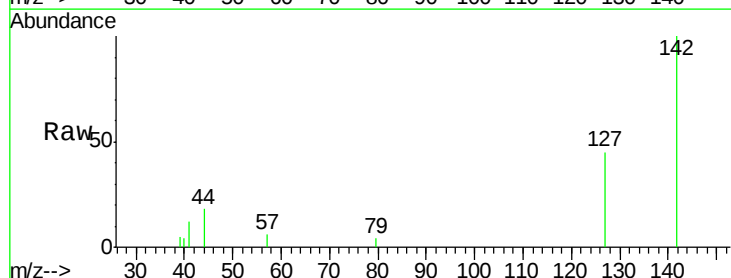
Tgt Ion:142 Resp: 3721

Ion Ratio Lower Upper

142 100

127 38.5 31.4 47.2

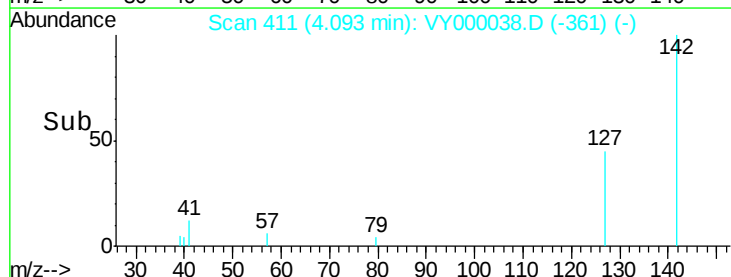
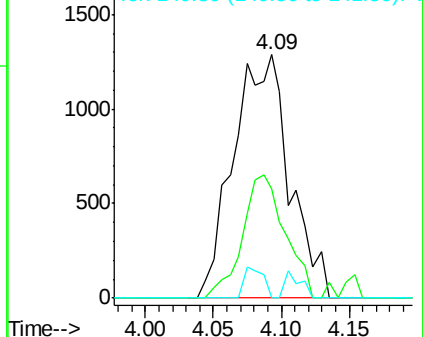
141 3.1 10.6 16.0#

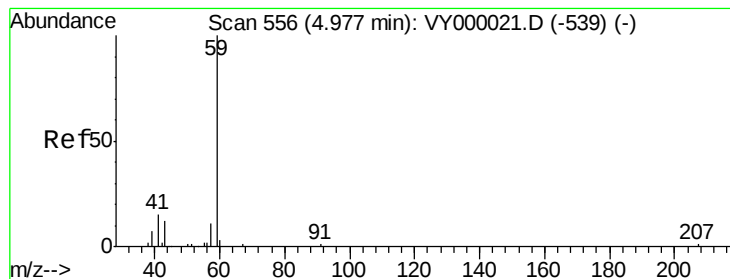


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 19.069 ug/l

RT: 4.98 min Scan# 556

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

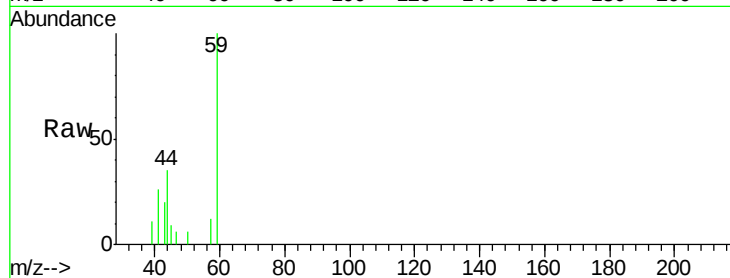
MDL2

Tot Ion: 59 Resp: 3221

Ion Ratio Lower Upper

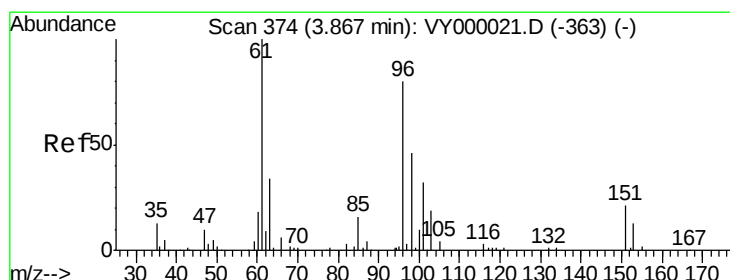
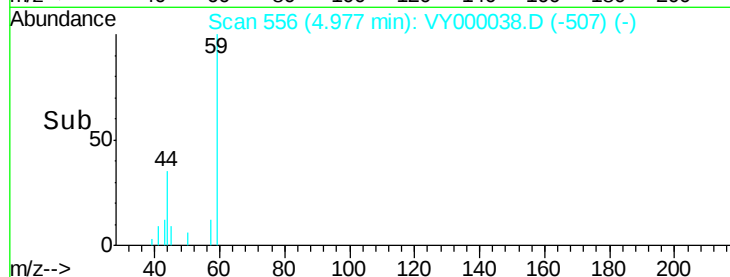
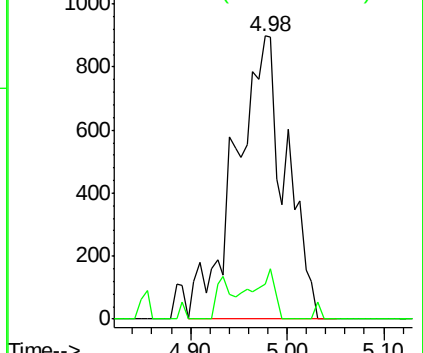
59 100

57 8.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 3.824 ug/l

RT: 3.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

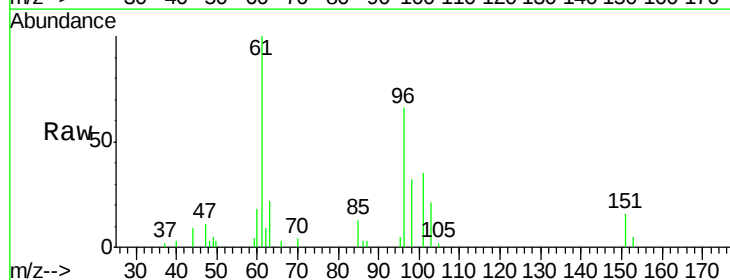
Tgt Ion: 96 Resp: 4346

Ion Ratio Lower Upper

96 100

61 151.5 99.8 149.6#

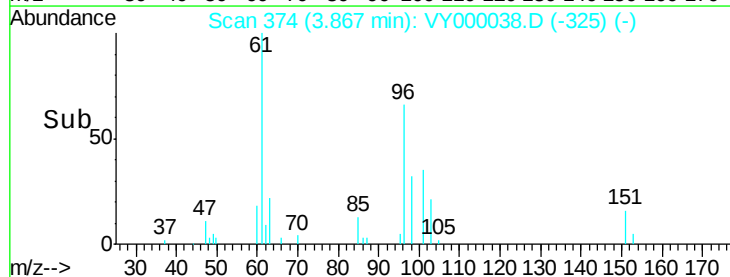
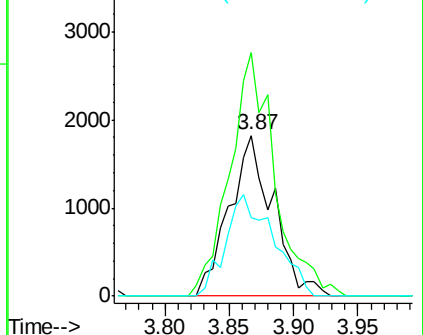
98 48.7 46.3 69.5

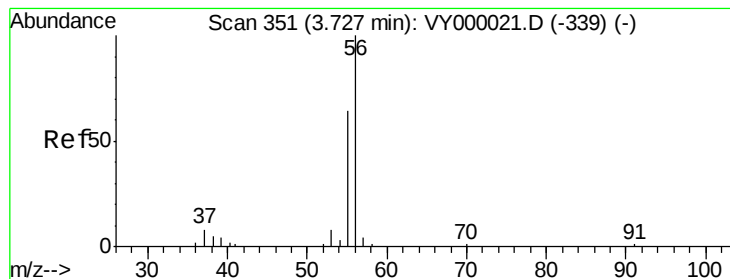


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#13

Acrolein

Concen: 21.236 ug/l

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

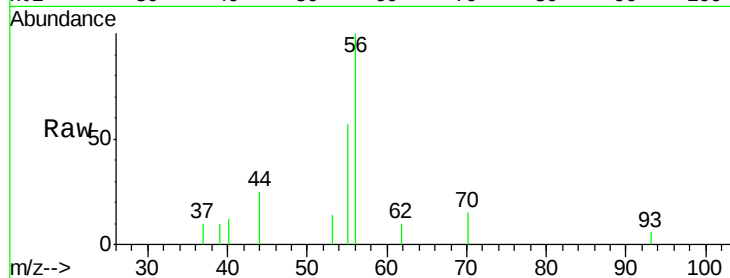
MDL2

Tot Ion: 56 Resp: 2691

Ion Ratio Lower Upper

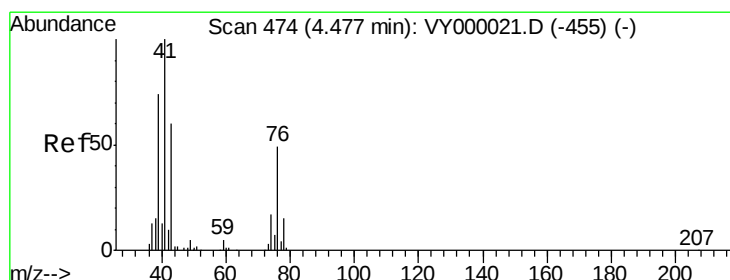
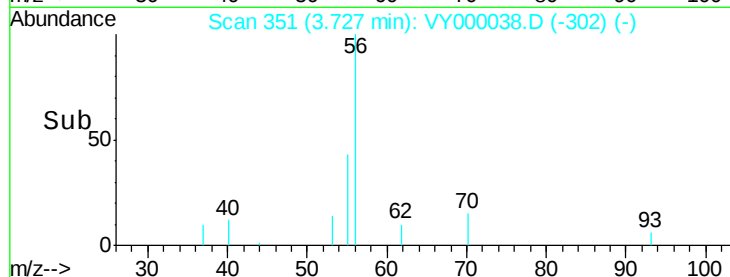
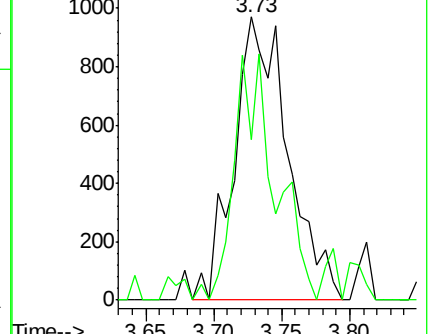
56 100

55 65.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.635 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

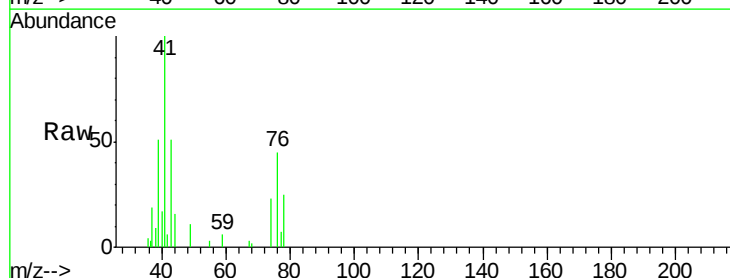
Tgt Ion: 41 Resp: 8180

Ion Ratio Lower Upper

41 100

39 59.5 53.1 79.7

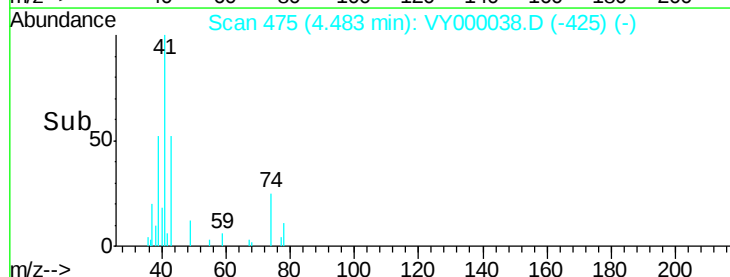
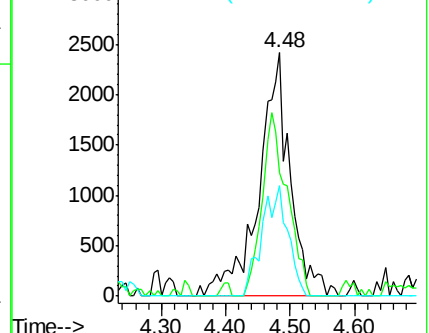
76 37.1 34.9 52.3

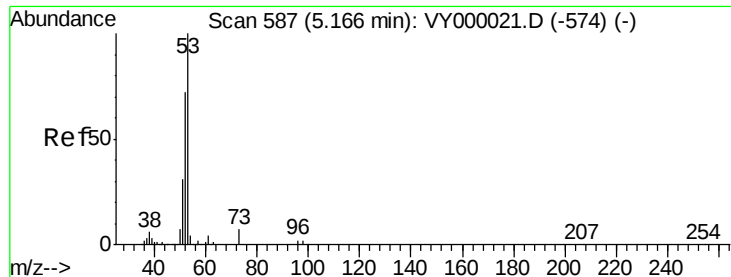


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 18.016 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

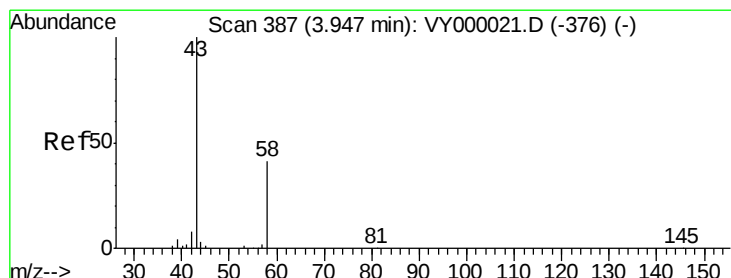
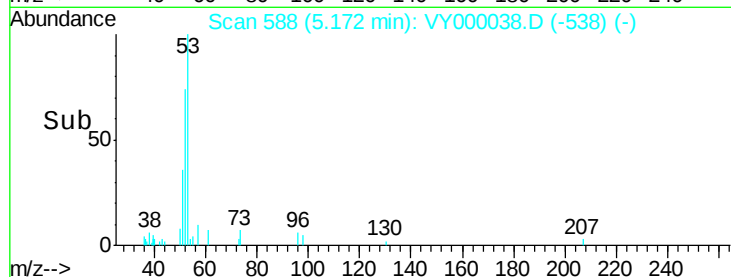
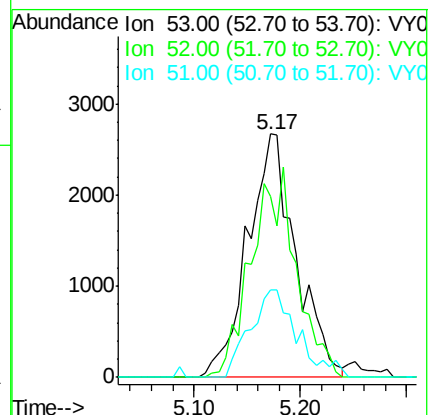
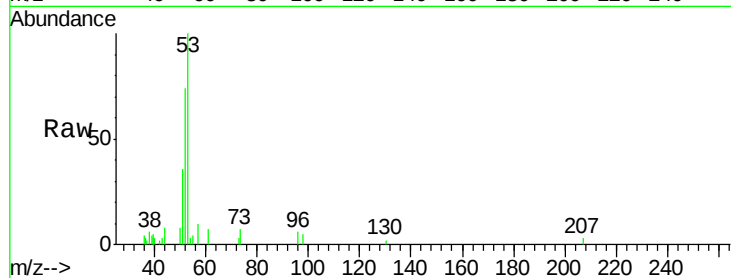
Tot Ion: 53 Resp: 8419

Ion Ratio Lower Upper

53 100

52 80.1 62.8 94.2

51 35.8 26.6 40.0



#16

Acetone

Concen: 16.905 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000038.D

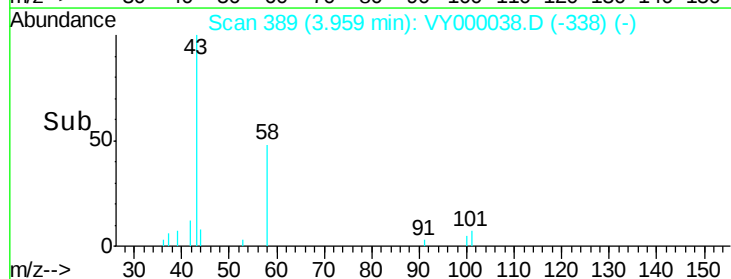
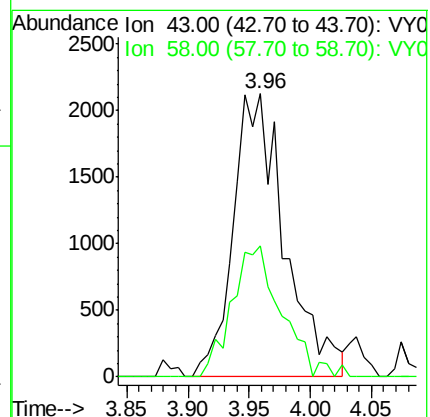
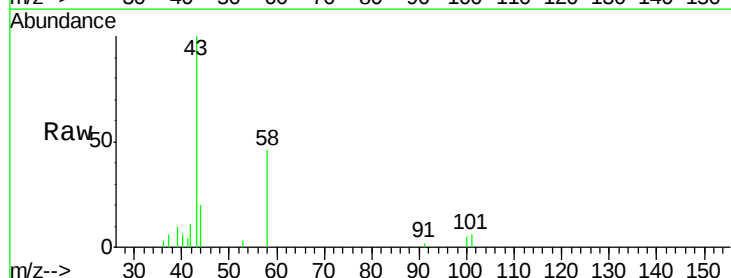
Acq: 13 Sep 2019 11:39

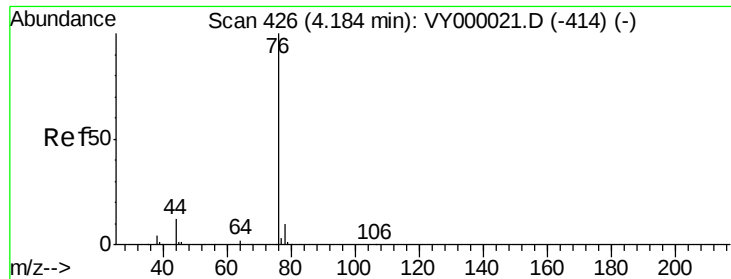
Tgt Ion: 43 Resp: 6228

Ion Ratio Lower Upper

43 100

58 46.1 32.5 48.7

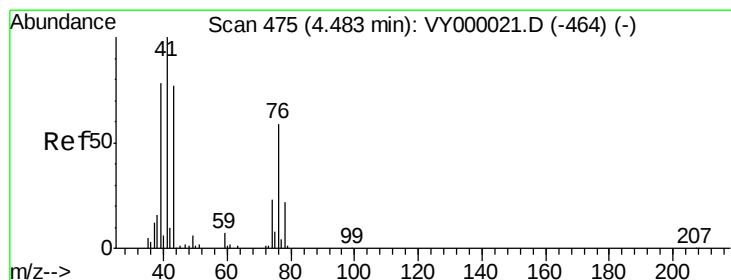
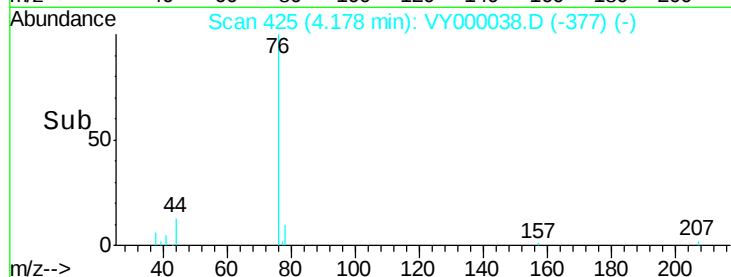
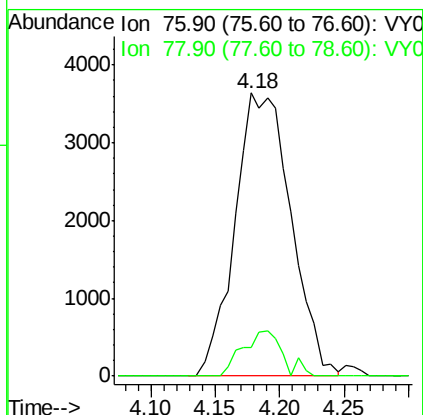
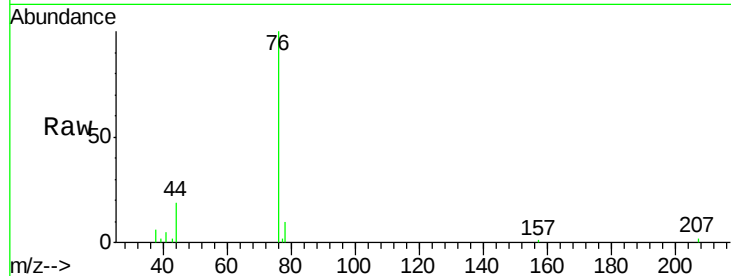




#17
Carbon Disulfide
Concen: 4.797 ug/l
RT: 4.18 min Scan# 425
Delta R.T. -0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

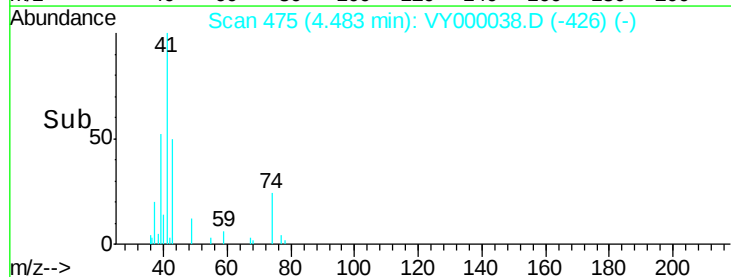
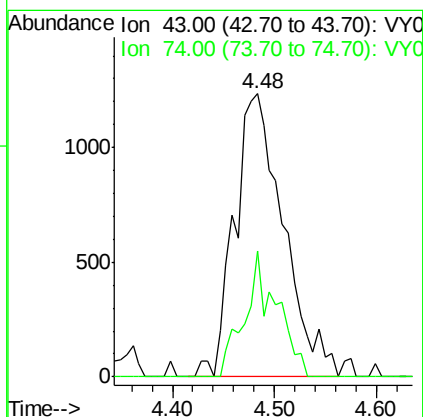
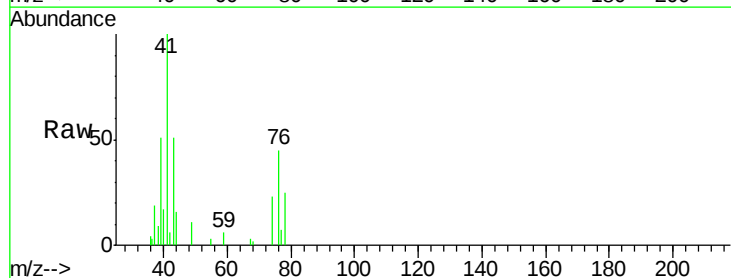
Instrument :
MSVOA_Y
ClientSampled :
MDL2

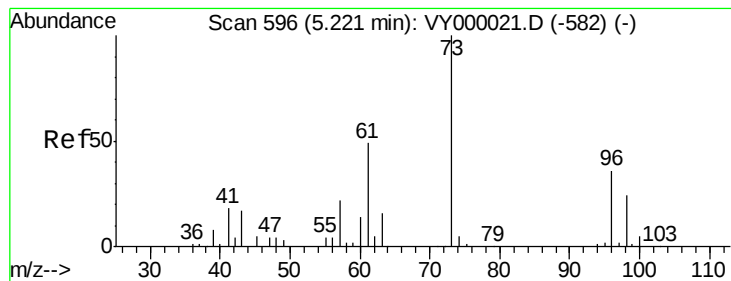
Tot Ion: 76 Resp: 10980
Ion Ratio Lower Upper
76 100
78 9.9 7.6 11.4



#18
Methyl Acetate
Concen: 3.954 ug/l
RT: 4.48 min Scan# 475
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
74 29.2 21.4 32.0



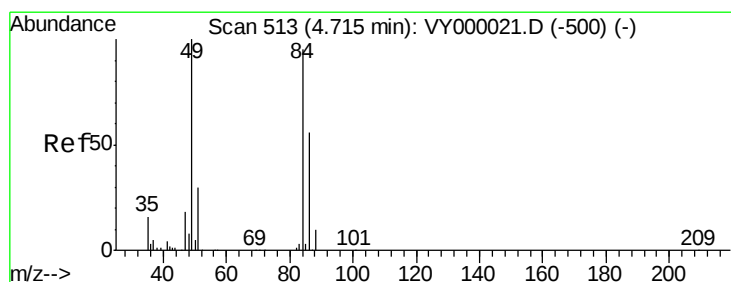
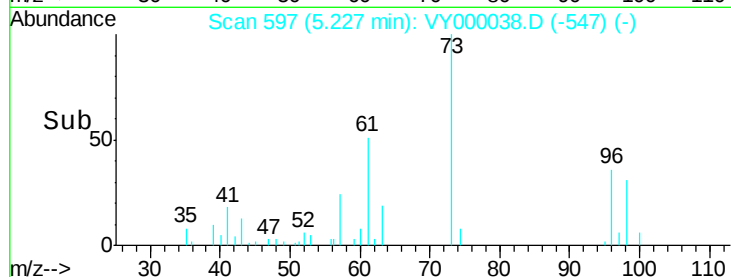
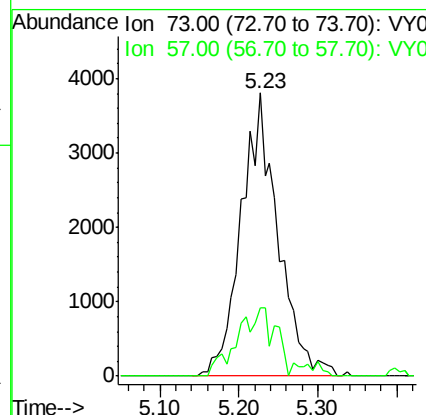
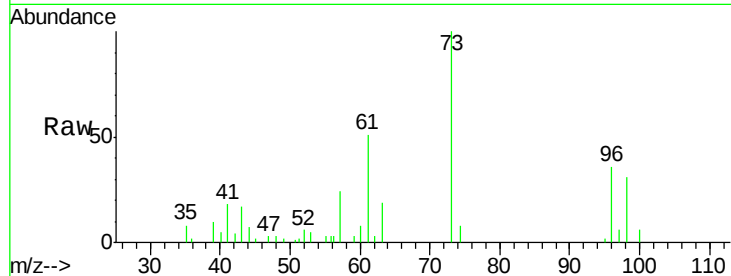


#19

Methyl tert-butyl Ether
 Concen: 3.580 ug/l
 RT: 5.23 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

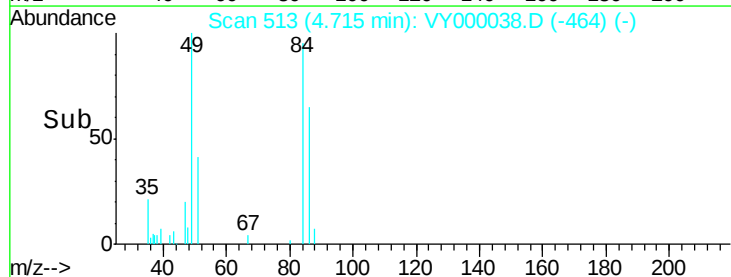
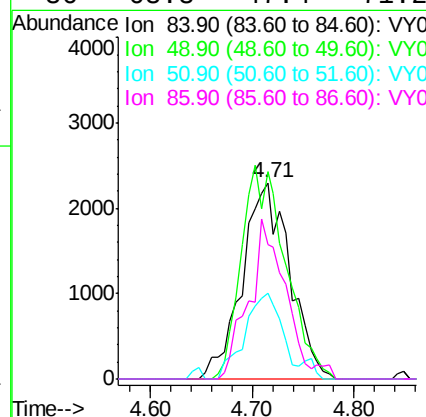
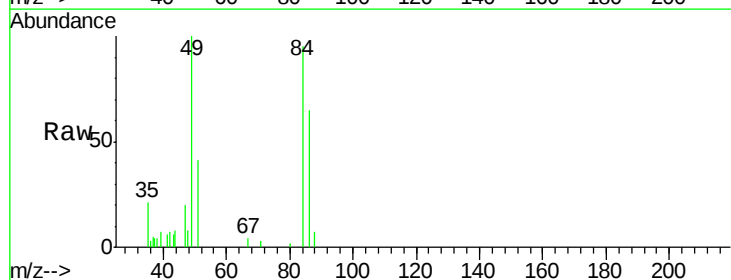
Tot Ion: 73 Resp: 12324
 Ion Ratio Lower Upper
 73 100
 57 24.2 17.8 26.8

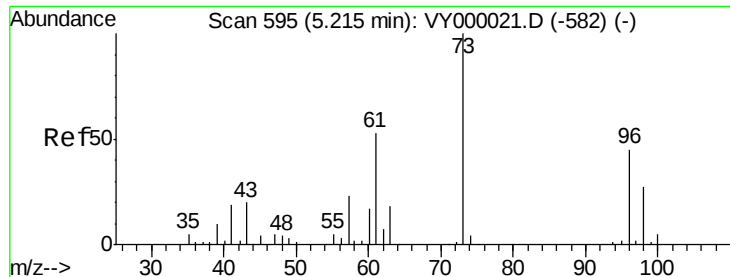


#20

Methylene Chloride
 Concen: 5.056 ug/l
 RT: 4.71 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 84 Resp: 7426
 Ion Ratio Lower Upper
 84 100
 49 105.5 84.4 126.6
 51 43.7 25.4 38.0#
 86 68.8 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 4.260 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

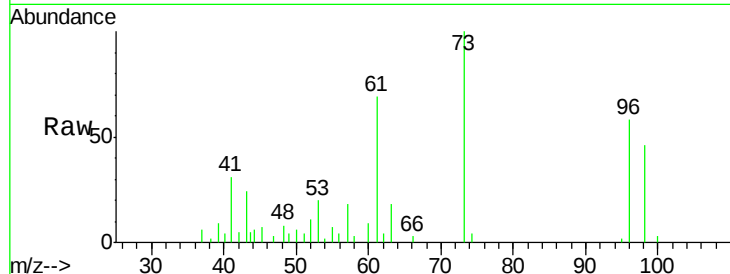
Tot Ion: 96 Resp: 5362

Ion Ratio Lower Upper

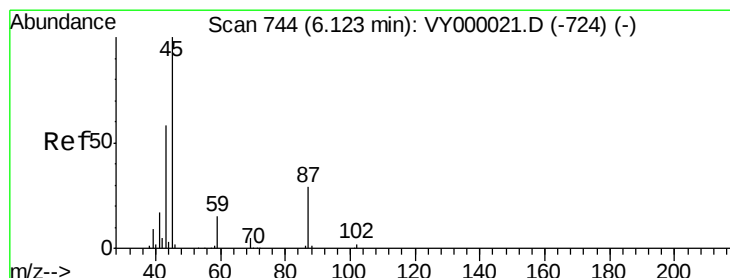
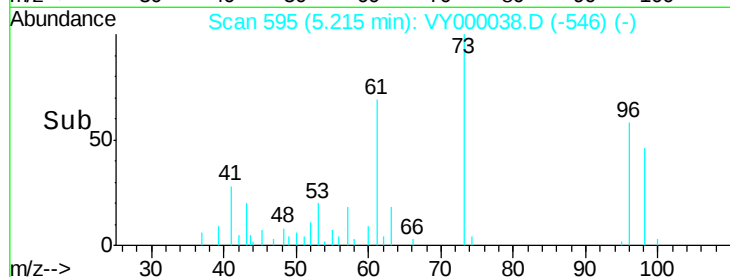
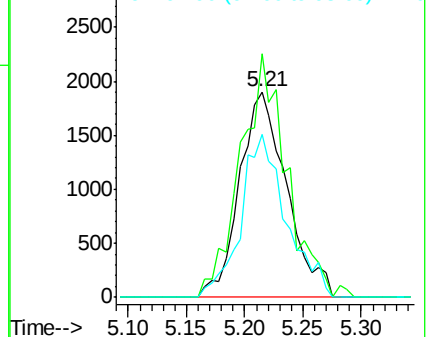
96 100

61 118.4 95.3 142.9

98 79.1 48.7 73.1#



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 3.465 ug/l

RT: 6.12 min Scan# 744

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Tgt Ion: 45 Resp: 13499

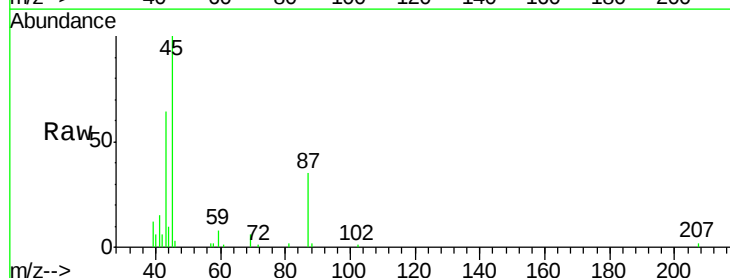
Ion Ratio Lower Upper

45 100

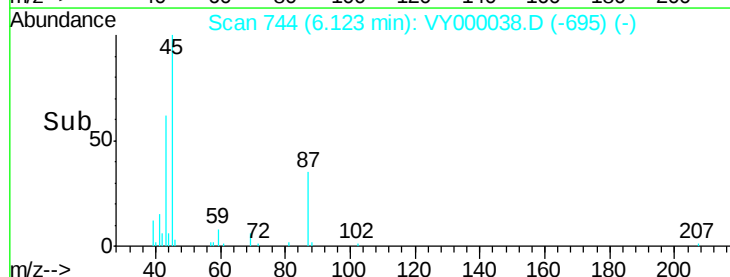
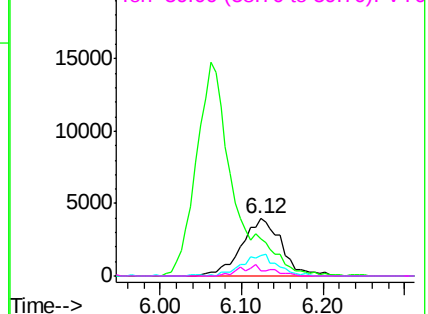
43 61.6 47.0 70.4

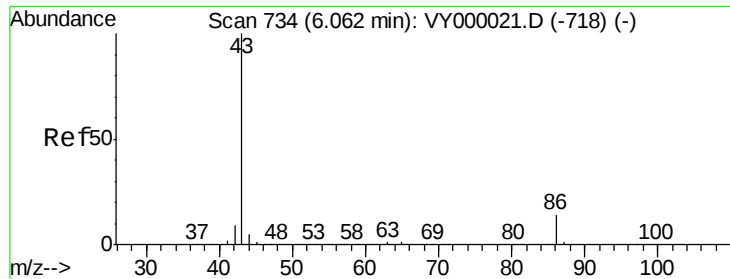
87 35.0 23.1 34.7#

59 8.5 11.8 17.6#



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 17.490 ug/l

RT: 6.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

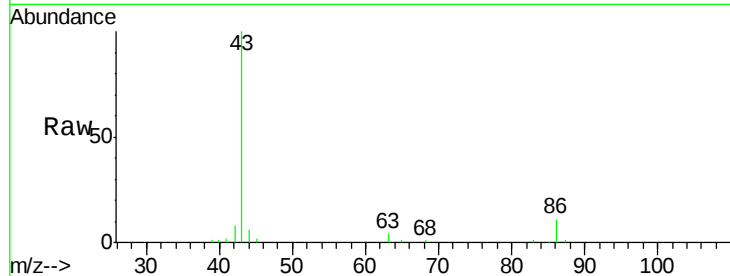
MDL2

Tot Ion: 43 Resp: 47138

Ion Ratio Lower Upper

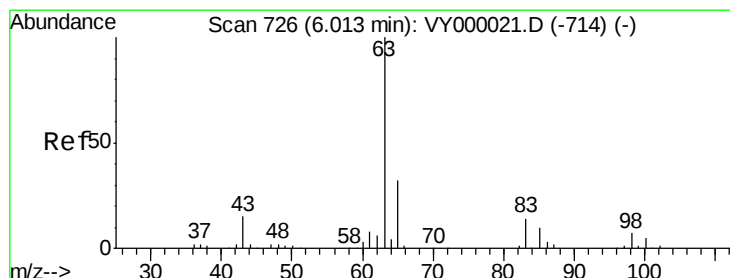
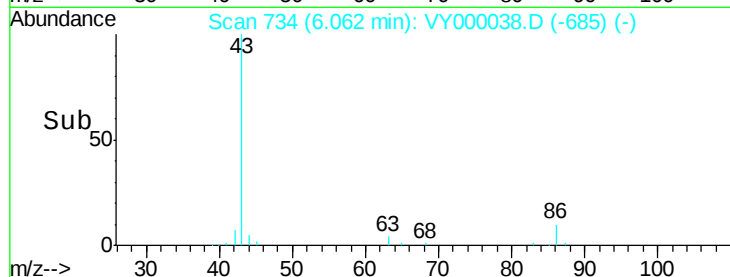
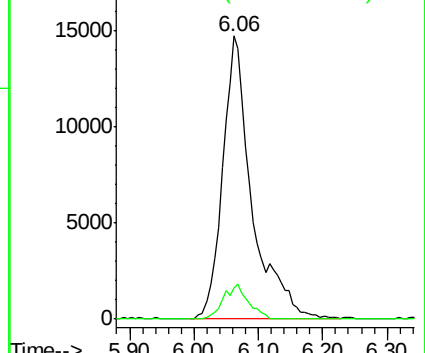
43 100

86 11.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 3.938 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

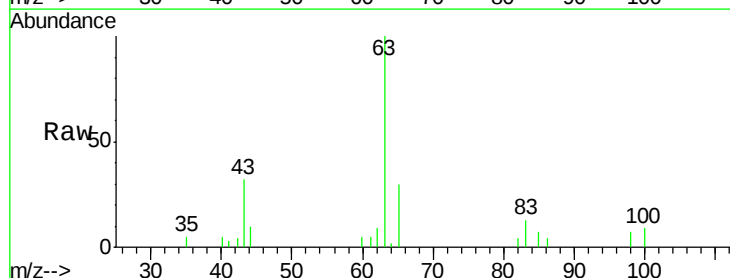
Tgt Ion: 63 Resp: 9091

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.2

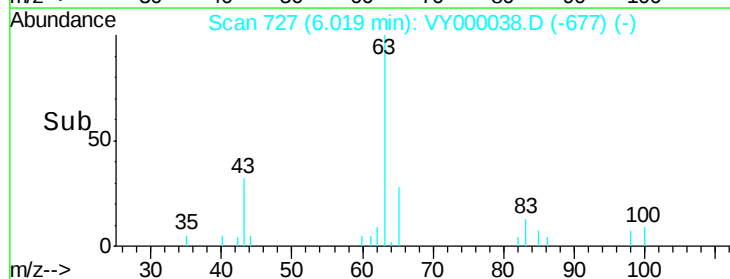
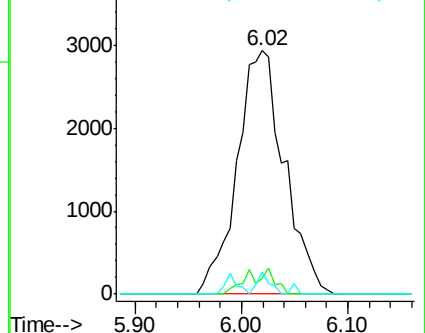
100 9.0 2.6 8.0#

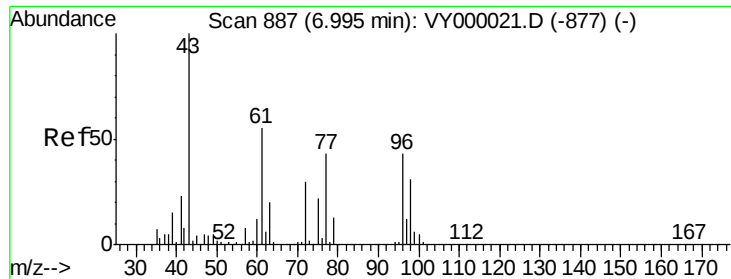


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 19.970 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

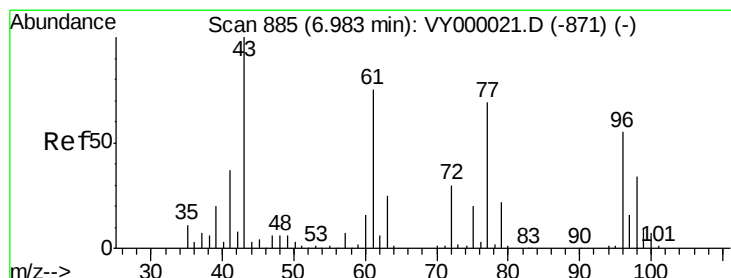
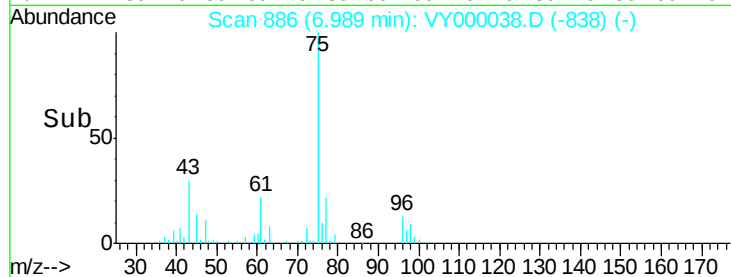
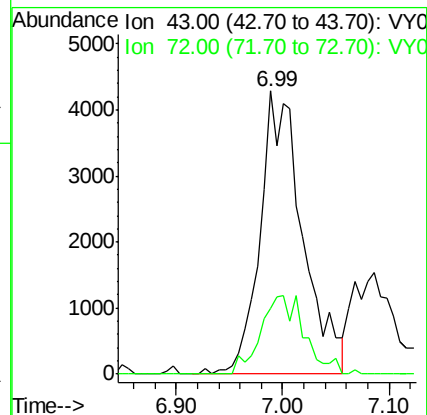
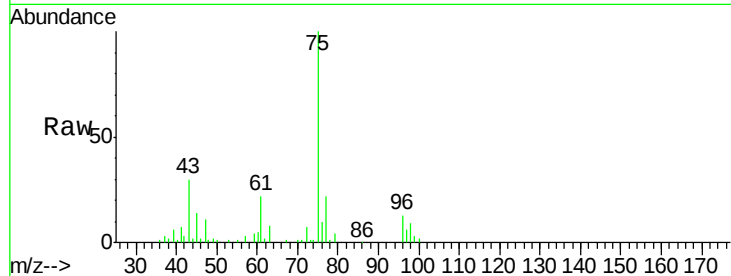
MDL2

Tot Ion: 43 Resp: 11958

Ion Ratio Lower Upper

43 100

72 23.1 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 4.475 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000038.D

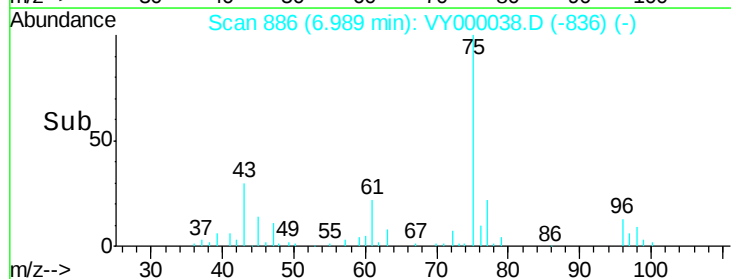
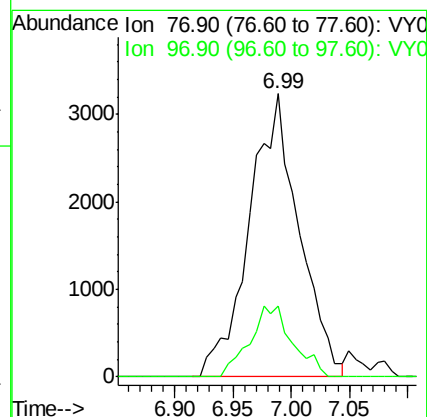
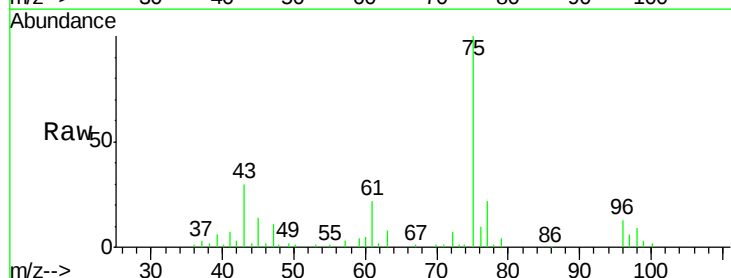
Acq: 13 Sep 2019 11:39

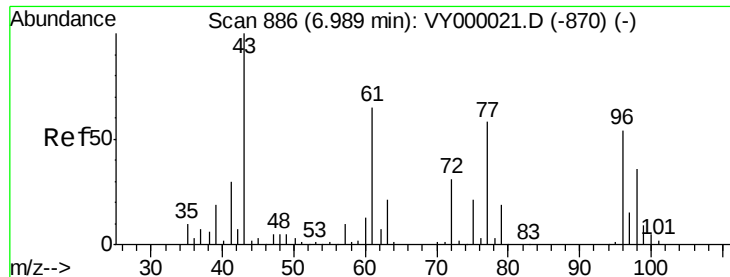
Tgt Ion: 77 Resp: 9598

Ion Ratio Lower Upper

77 100

97 21.6 12.0 36.1



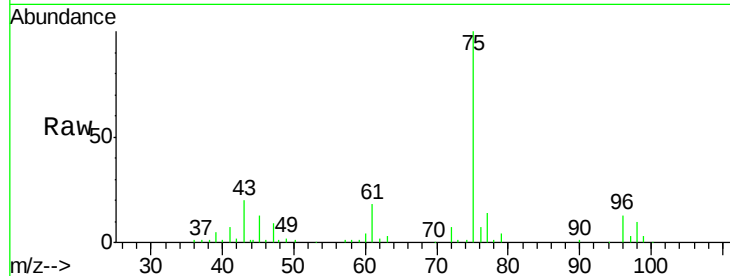


#27

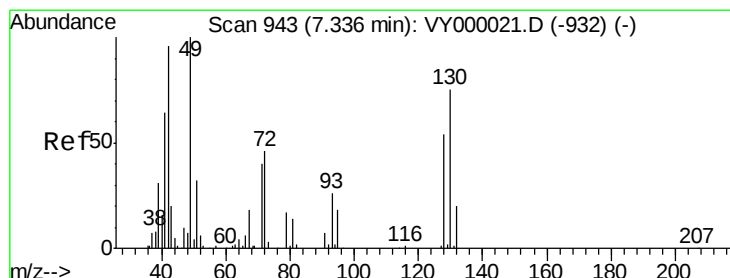
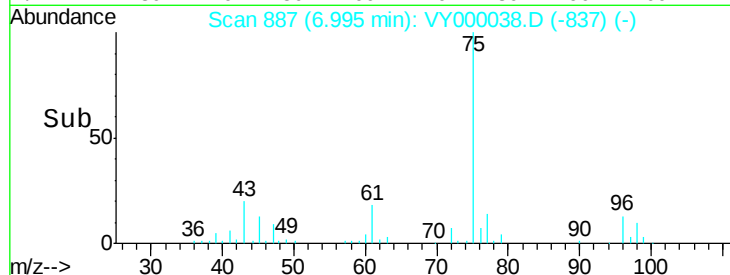
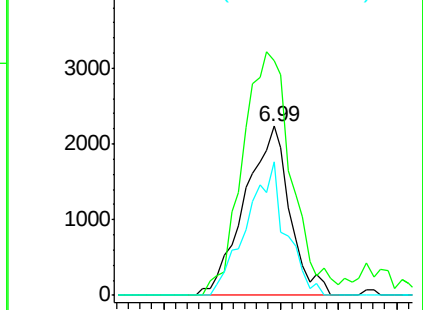
cis-1,2-Dichloroethene
Concen: 3.767 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion: 96 Resp: 5981
Ion Ratio Lower Upper
96 100
61 157.5 0.0 259.2
98 68.6 0.0 127.4



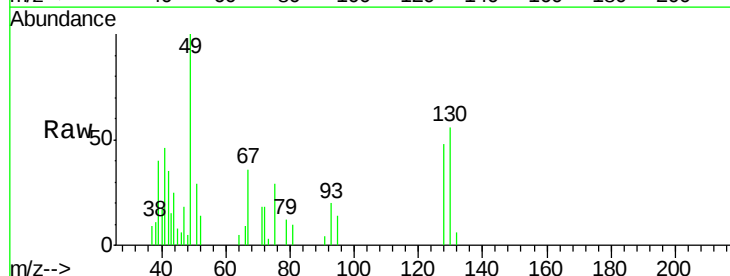
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



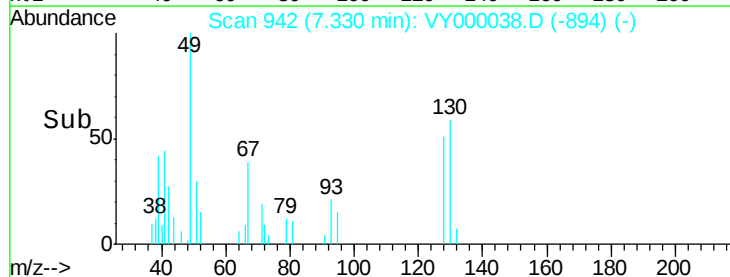
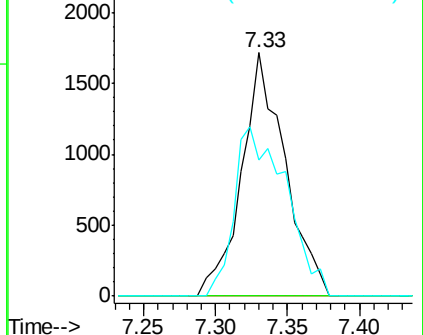
#28

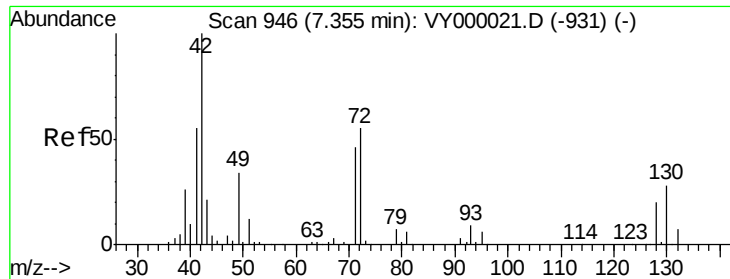
Bromochloromethane
Concen: 3.383 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 49 Resp: 3587
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 83.3 62.5 93.7



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

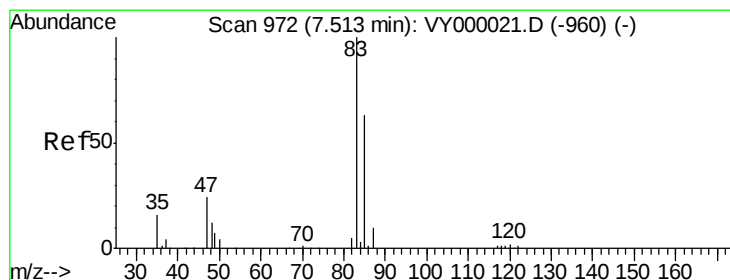
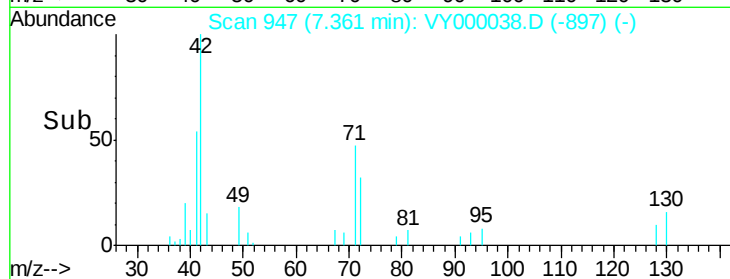
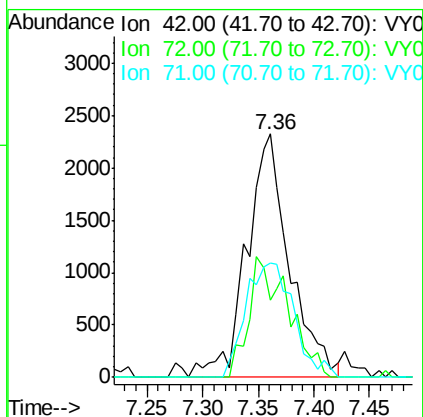
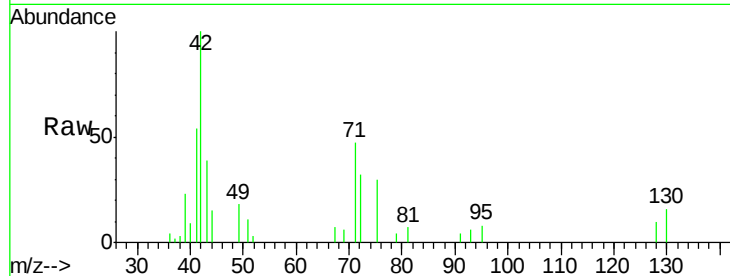




#29
Tetrahydrofuran
Concen: 17.445 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

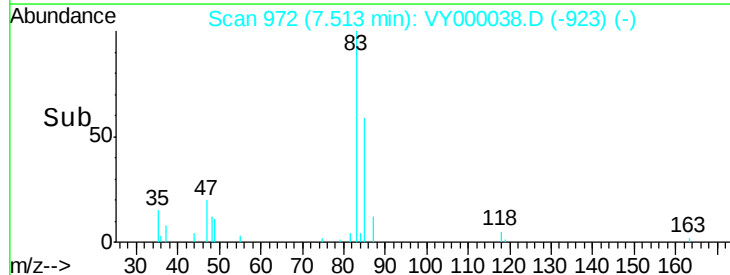
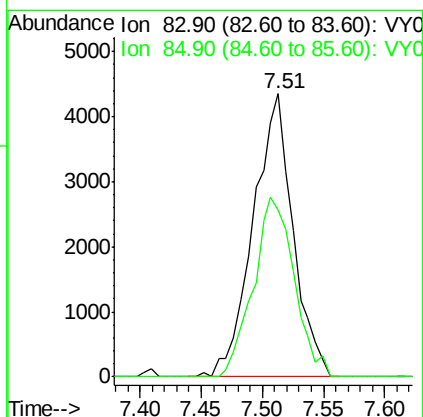
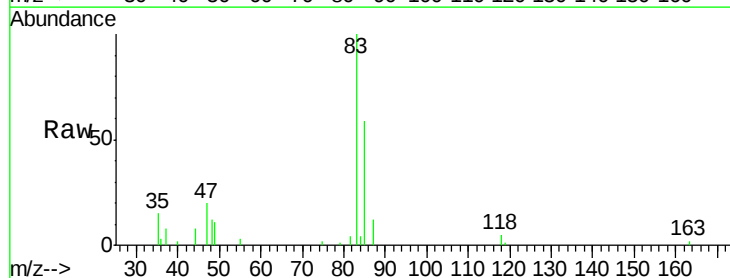
Instrument :
MSVOA_Y
ClientSampled :
MDL2

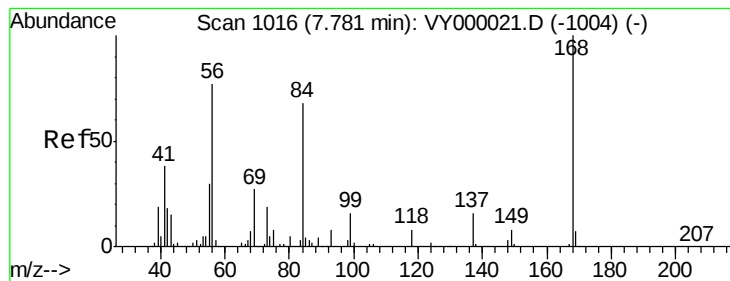
Tot Ion: 42 Resp: 6214
Ion Ratio Lower Upper
42 100
72 45.6 41.1 61.7
71 52.5 36.5 54.7



#30
Chloroform
Concen: 4.136 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 83 Resp: 9847
Ion Ratio Lower Upper
83 100
85 59.0 50.6 76.0





#31

Cyclohexane

Concen: 5.529 ug/l

RT: 7.78 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

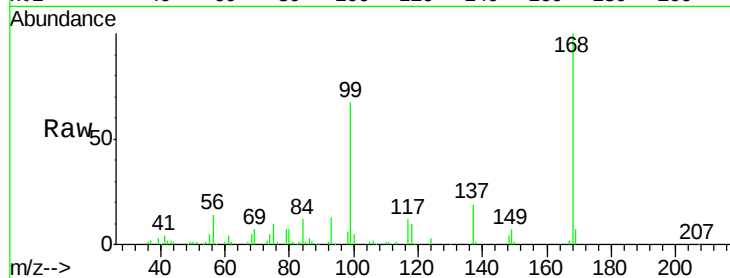
Tot Ion: 56 Resp: 10638

Ion Ratio Lower Upper

56 100

69 54.1 28.0 42.0#

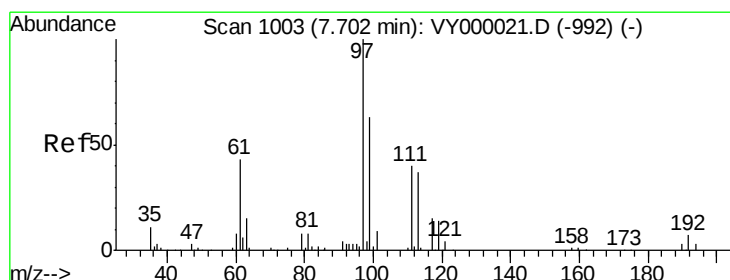
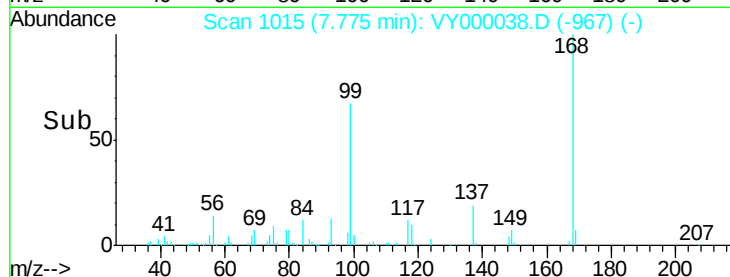
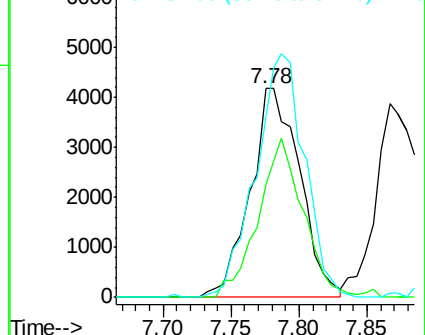
84 86.6 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 3.913 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

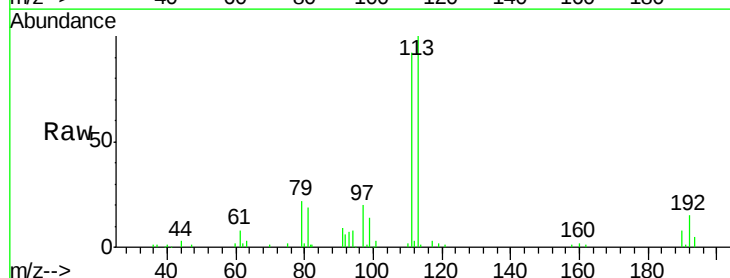
Tgt Ion: 97 Resp: 7643

Ion Ratio Lower Upper

97 100

99 67.4 51.0 76.6

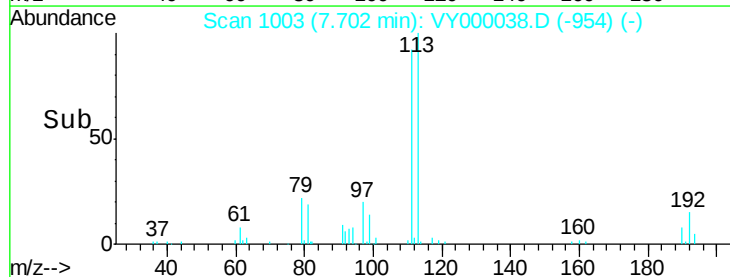
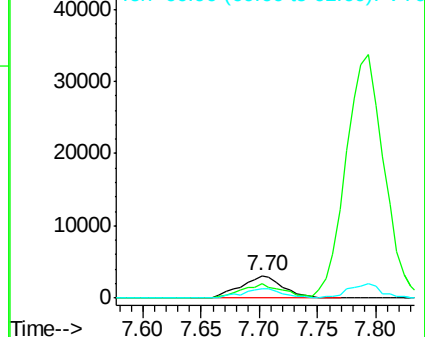
61 41.1 35.7 53.5

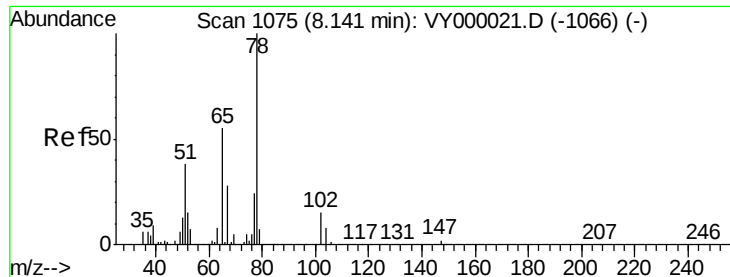


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 50.079 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

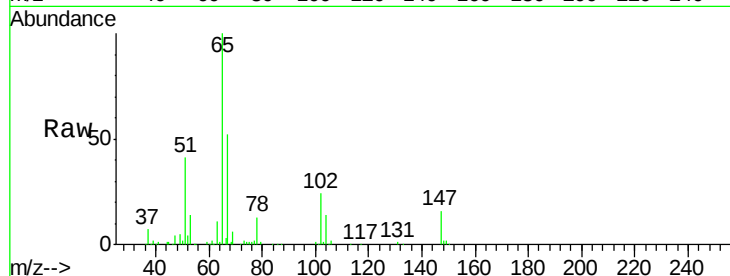
MDL2

Tot Ion: 65 Resp: 66536

Ion Ratio Lower Upper

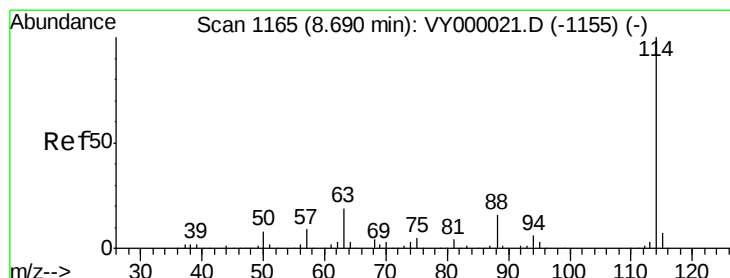
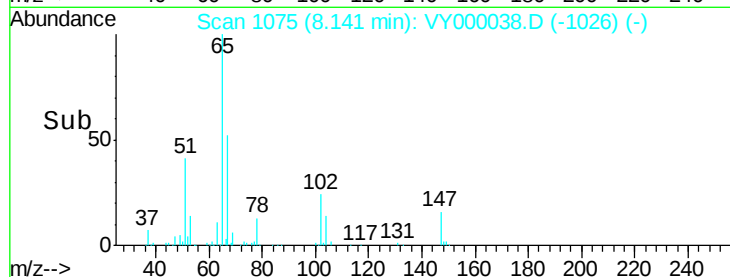
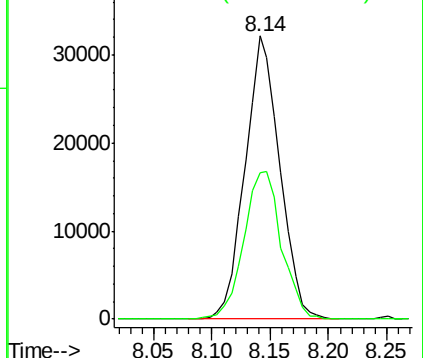
65 100

67 56.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

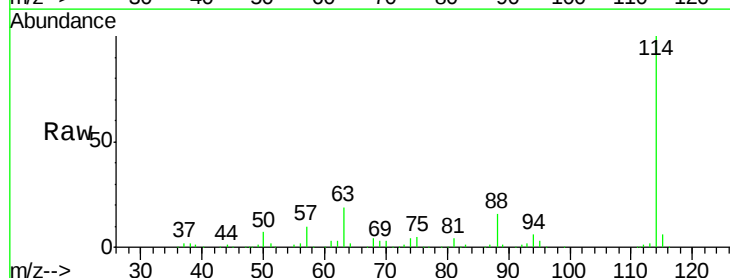
Tgt Ion: 114 Resp: 239803

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

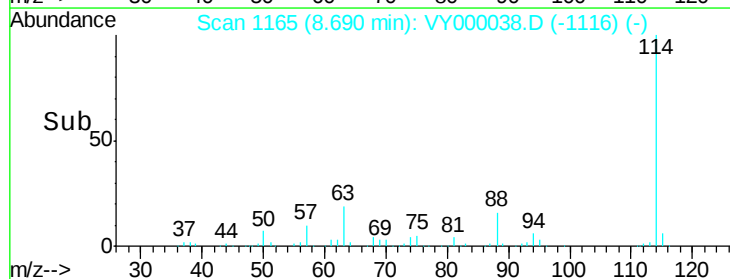
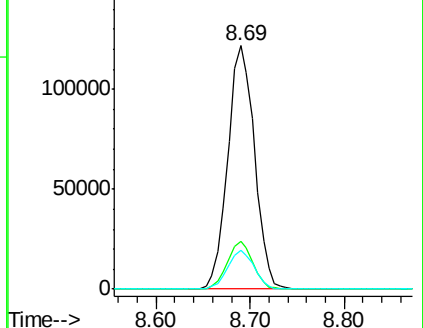
88 16.2 0.0 31.8

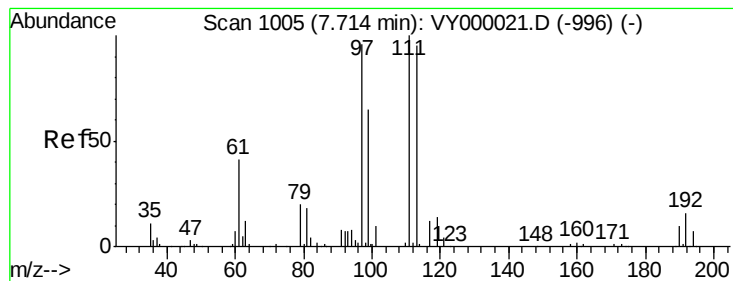


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.479 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

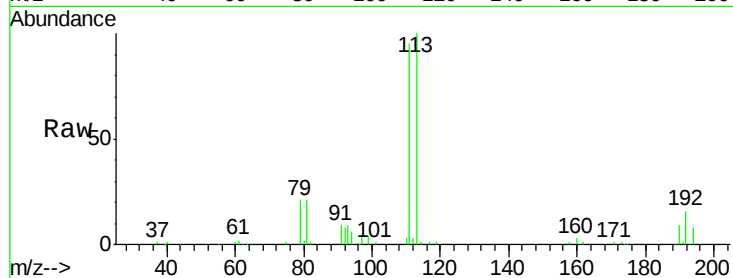
Tot Ion:113 Resp: 66694

Ion Ratio Lower Upper

113 100

111 100.2 83.9 125.9

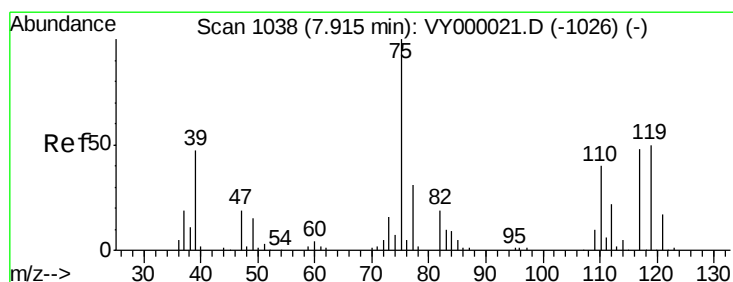
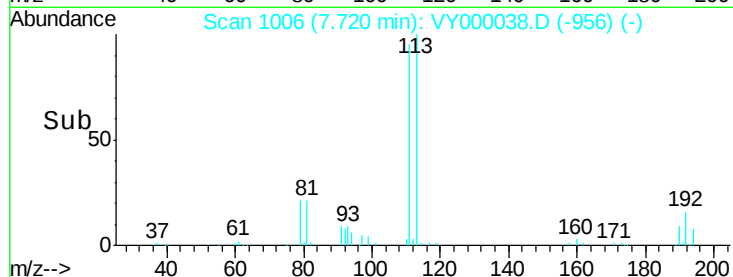
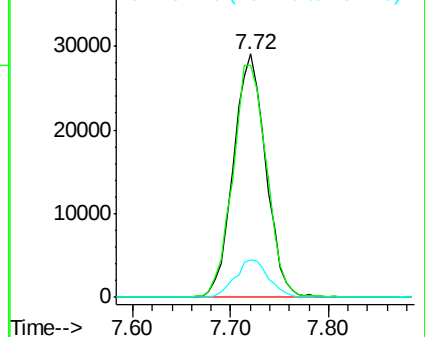
192 16.0 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.765 ug/l

RT: 7.92 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

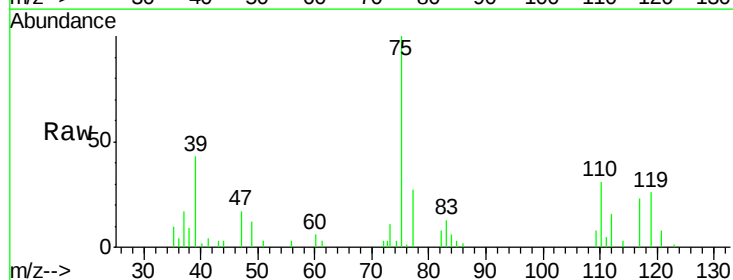
Tgt Ion: 75 Resp: 6629

Ion Ratio Lower Upper

75 100

110 42.6 18.6 55.8

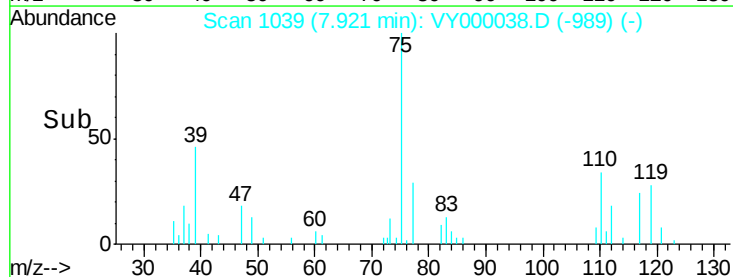
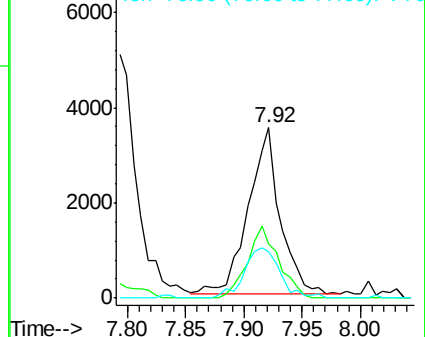
77 34.2 24.4 36.6

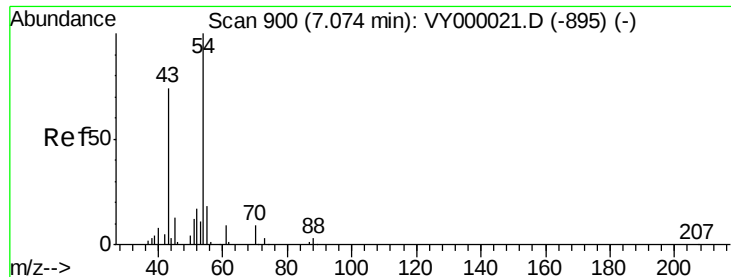


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

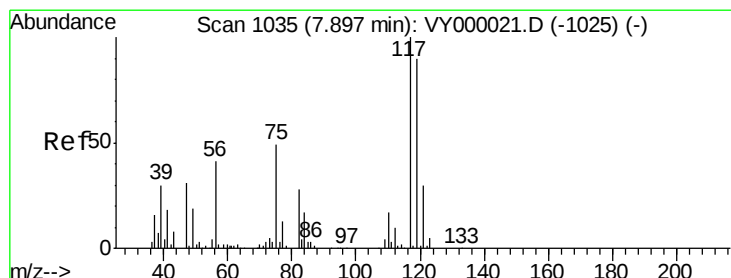
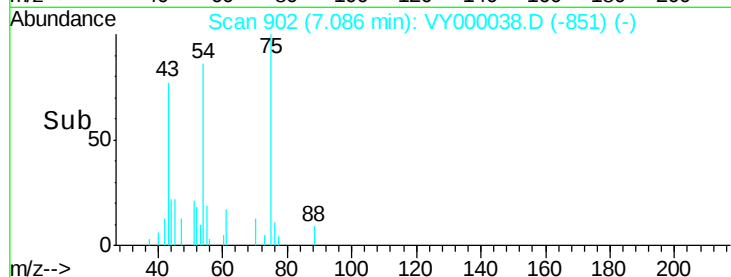
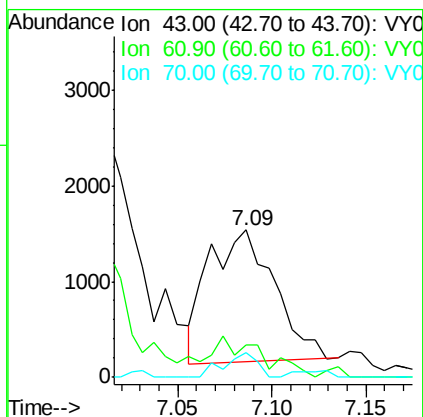
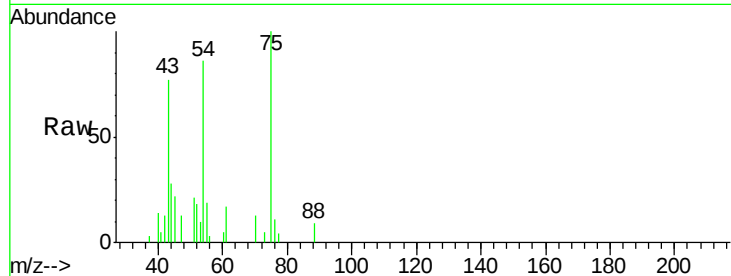




#37
Ethyl Acetate
Concen: 2.820 ug/l
RT: 7.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

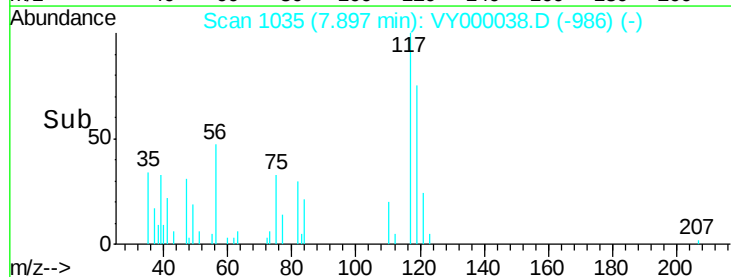
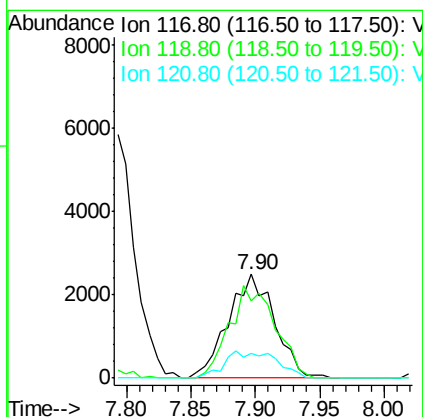
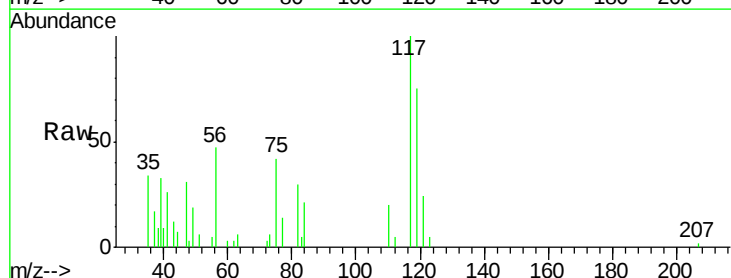
Instrument :
MSVOA_Y
ClientSampled :
MDL2

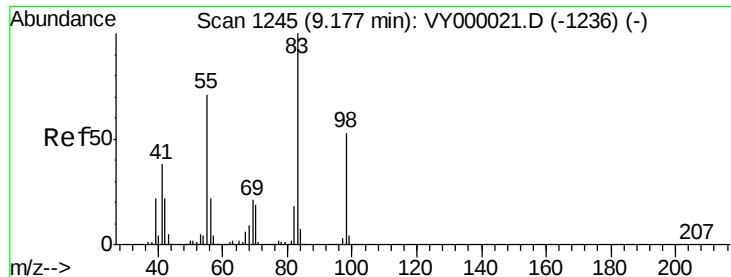
Tot Ion: 43 Resp: 3348
Ion Ratio Lower Upper
43 100
61 22.9 13.1 19.7#
70 9.3 10.9 16.3#



#38
Carbon Tetrachloride
Concen: 3.742 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 117 Resp: 6219
Ion Ratio Lower Upper
117 100
119 74.8 72.1 108.1
121 23.6 23.9 35.9#

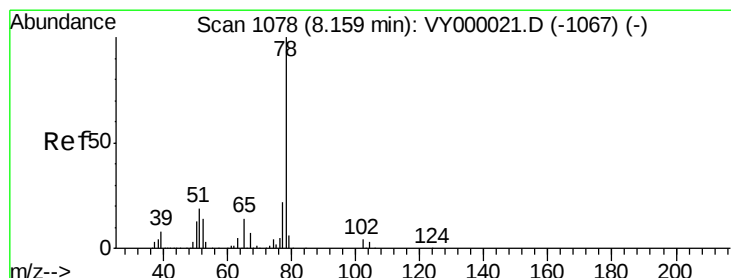
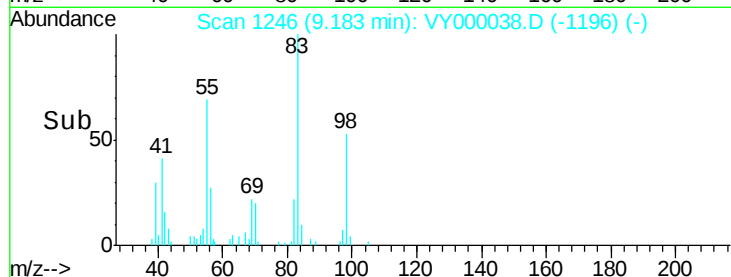
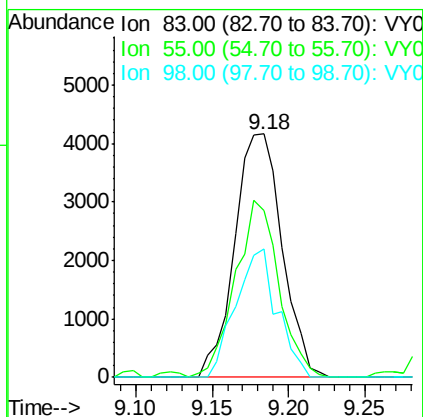
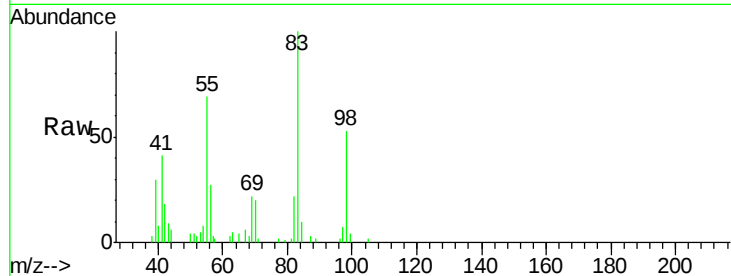




#39
Methvlcvclohexane
Concen: 4.136 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

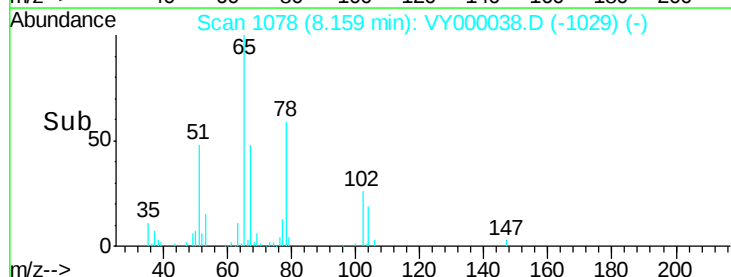
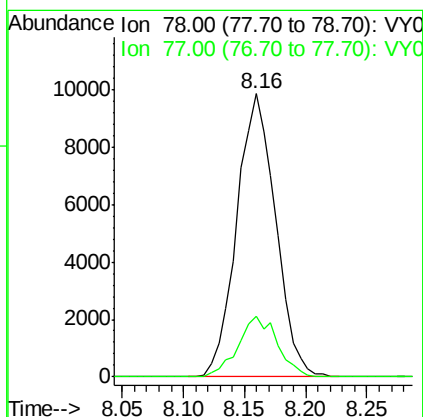
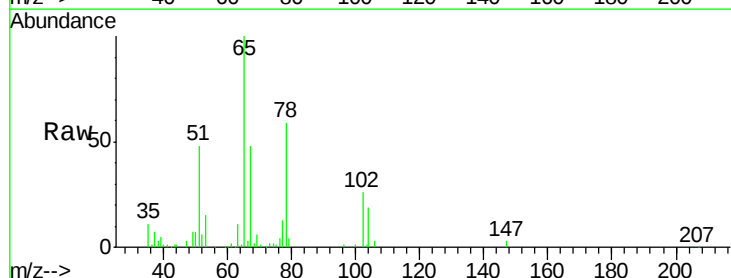
Instrument :
MSVOA_Y
ClientSampled :
MDL2

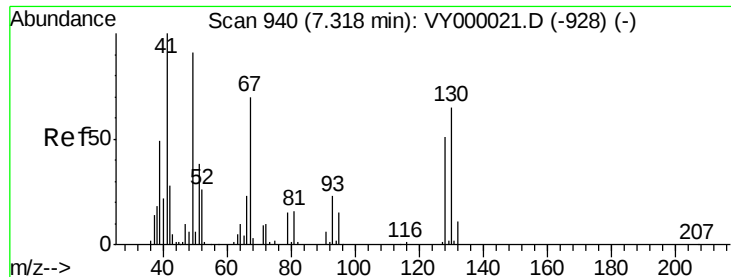
Tot Ion: 83 Resp: 8998
Ion Ratio Lower Upper
83 100
55 68.6 57.0 85.4
98 52.9 42.0 63.0



#40
Benzene
Concen: 3.782 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 78 Resp: 21681
Ion Ratio Lower Upper
78 100
77 21.5 17.8 26.6

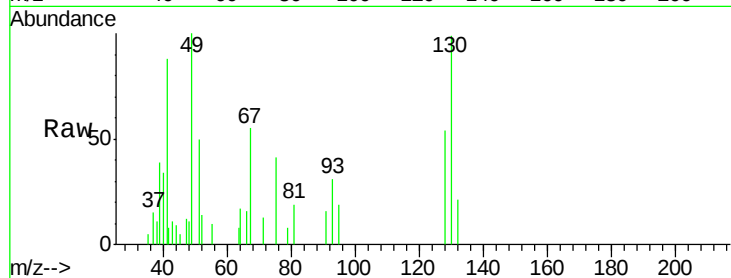




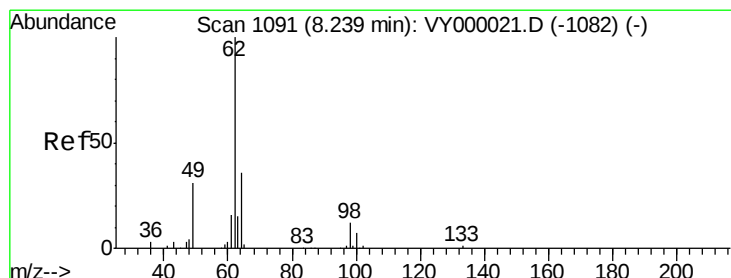
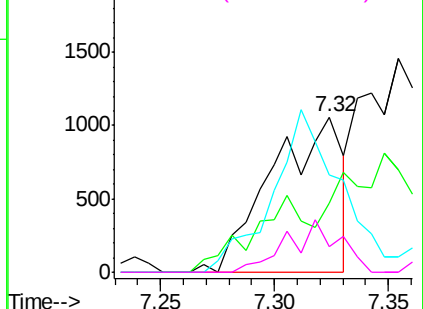
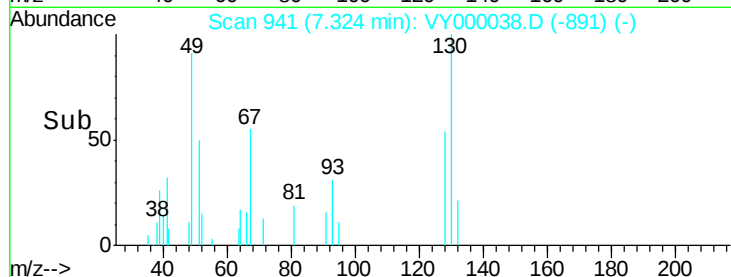
#41
Methacrylonitrile
Concen: 3.318 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion: 41 Resp: 2292
Ion Ratio Lower Upper
41 100
39 39.8 41.8 62.6#
67 102.1 65.8 98.6#
52 24.4 23.9 35.9

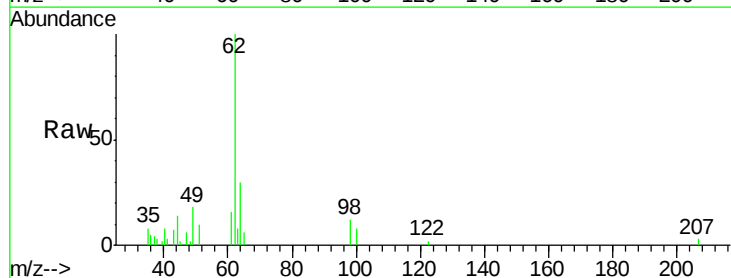


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

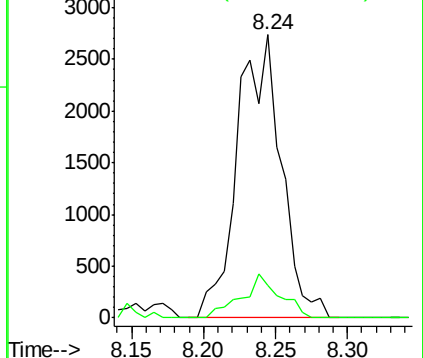
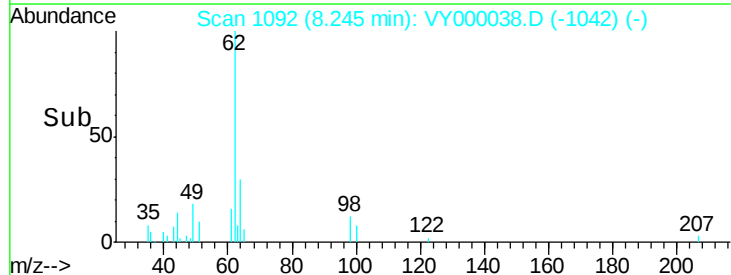


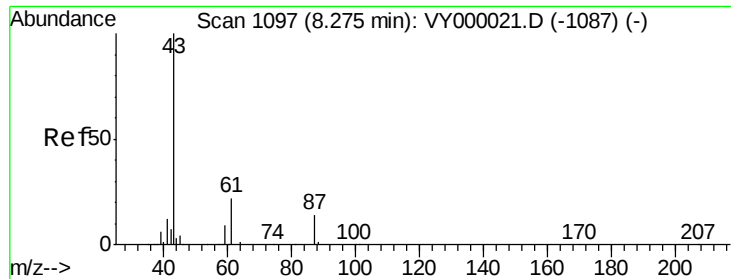
#42
1,2-Dichloroethane
Concen: 3.952 ug/l
RT: 8.24 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 62 Resp: 5789
Ion Ratio Lower Upper
62 100
98 13.5 0.0 23.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 3.291 ug/l

RT: 8.28 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

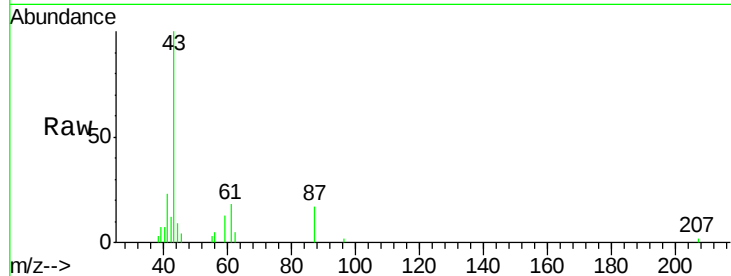
Tot Ion: 43 Resp: 7571

Ion Ratio Lower Upper

43 100

61 33.1 24.9 37.3

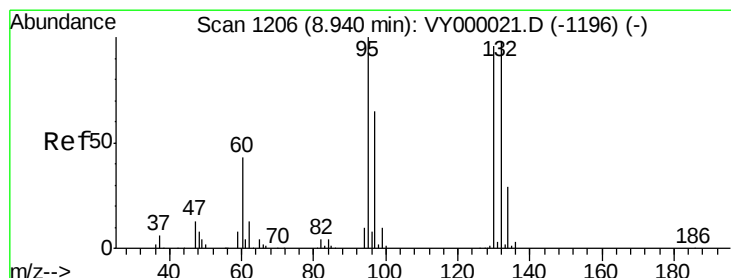
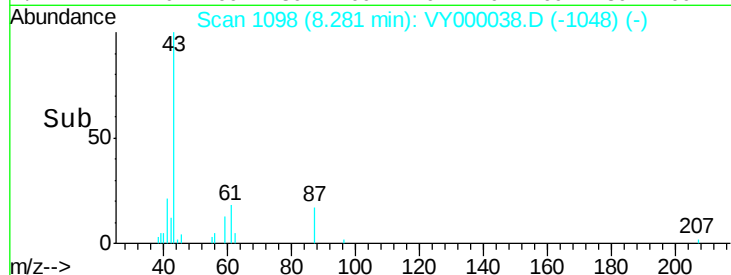
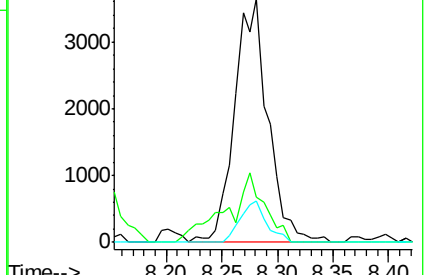
87 13.2 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VY000038.D (-1097) (-)

Ion 61.00 (60.70 to 61.70): VY000038.D (-1097) (-)

Ion 87.00 (86.70 to 87.70): VY000038.D (-1097) (-)



#44

Trichloroethene

Concen: 3.504 ug/l

RT: 8.93 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VY000038.D

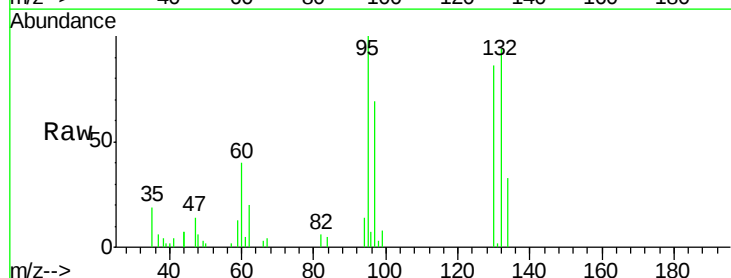
Acq: 13 Sep 2019 11:39

Tgt Ion: 130 Resp: 5015

Ion Ratio Lower Upper

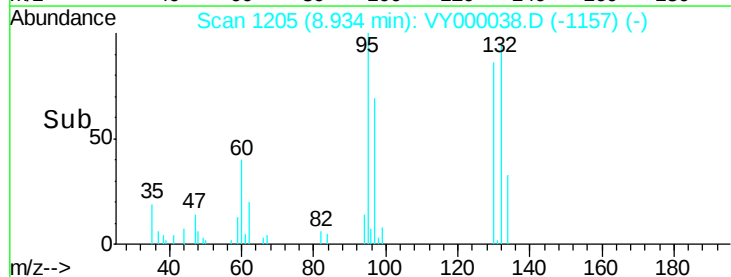
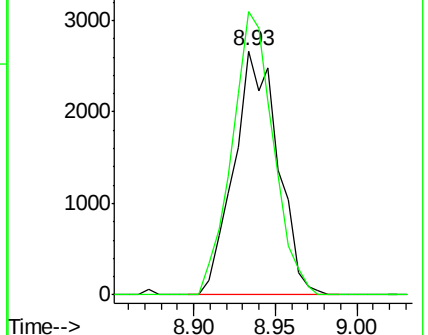
130 100

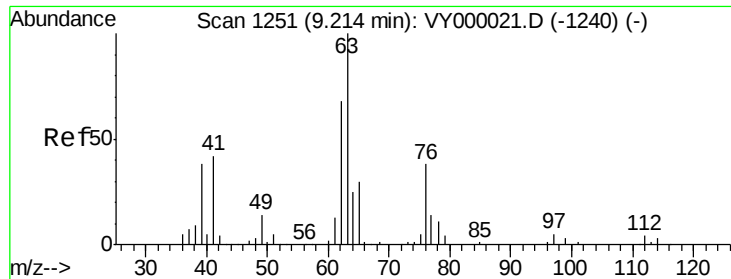
95 115.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000038.D (-1205) (-)

Ion 94.90 (94.60 to 95.60): VY000038.D (-1205) (-)





#45

1,2-Dichloropropane

Concen: 3.671 ug/l

RT: 9.22 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

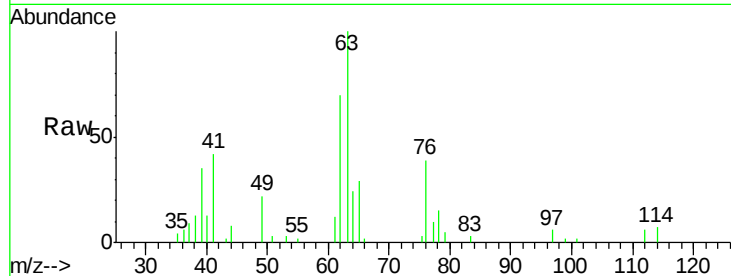
MDL2

Tot Ion: 63 Resp: 5426

Ion Ratio Lower Upper

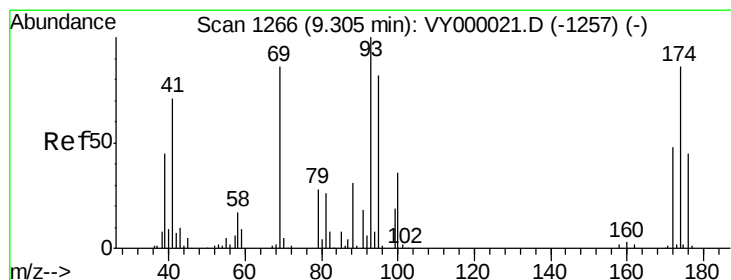
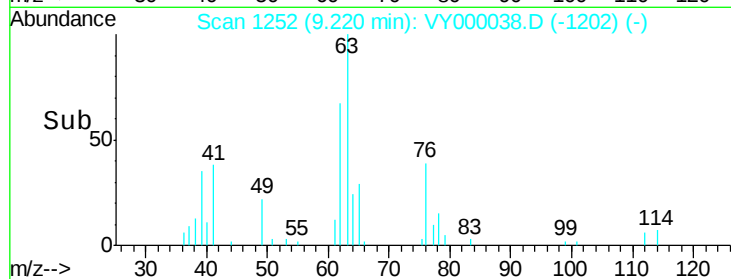
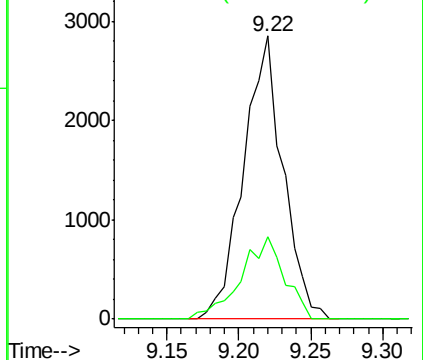
63 100

65 29.1 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 3.157 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

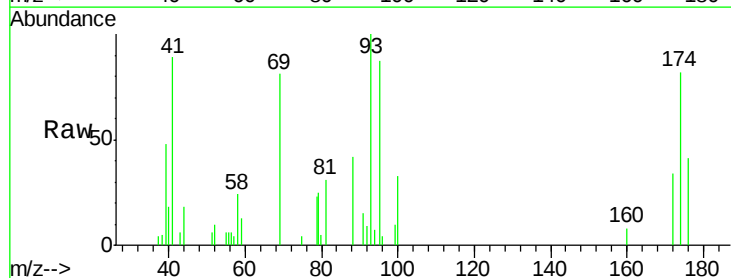
Tgt Ion: 93 Resp: 2590

Ion Ratio Lower Upper

93 100

95 98.5 67.0 100.6

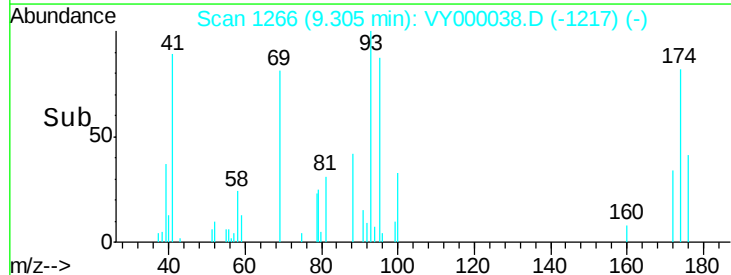
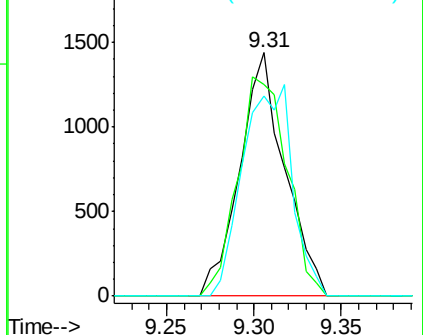
174 95.5 68.8 103.2

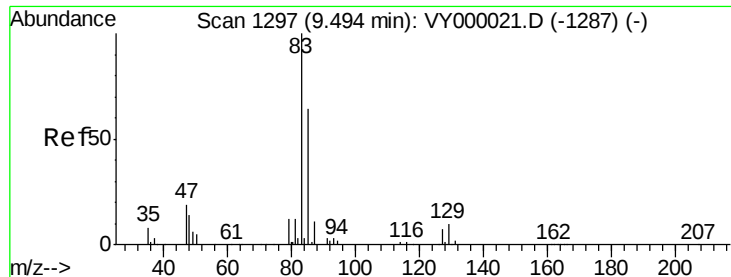


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 3.442 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

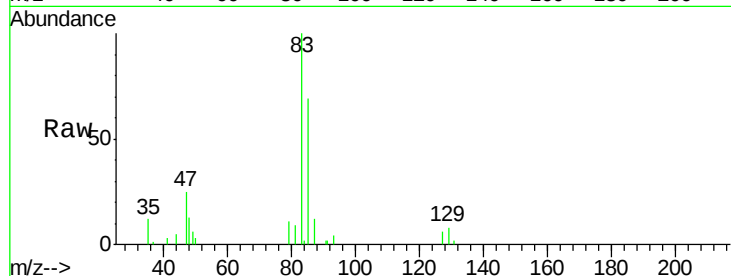
Tot Ion: 83 Resp: 6741

Ion Ratio Lower Upper

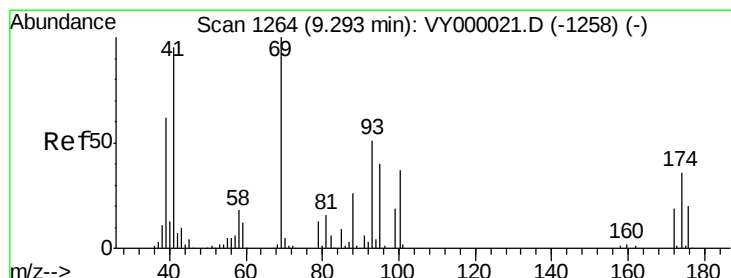
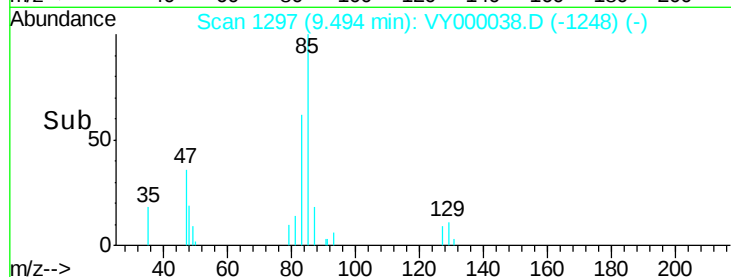
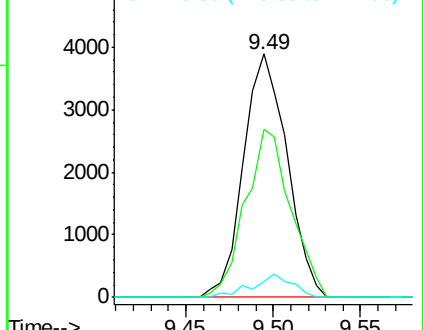
83 100

85 69.1 51.4 77.2

127 6.3 5.4 8.2



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 3.818 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

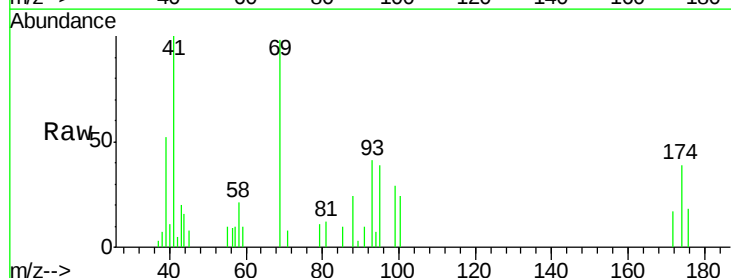
Tgt Ion: 41 Resp: 3876

Ion Ratio Lower Upper

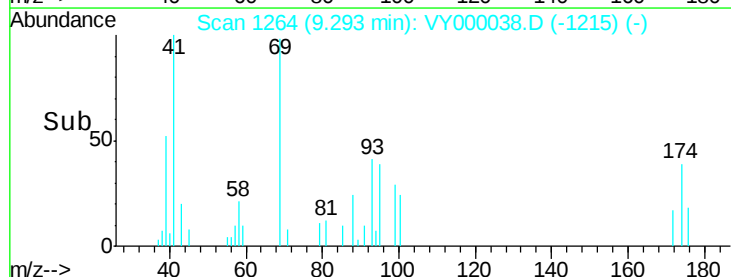
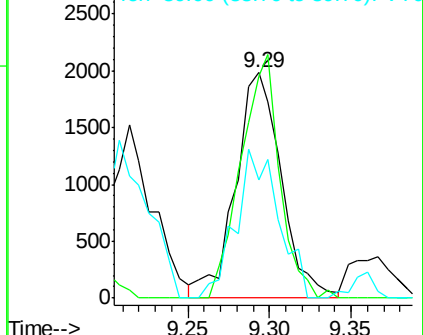
41 100

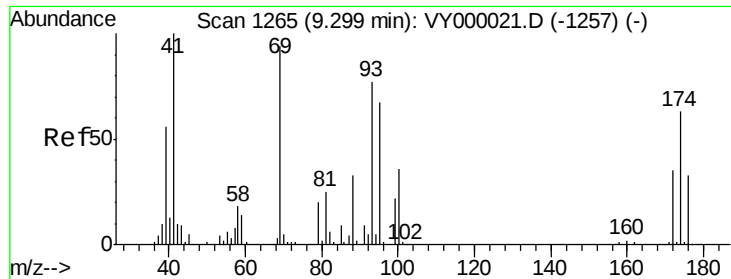
69 92.0 79.7 119.5

39 61.9 48.6 72.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

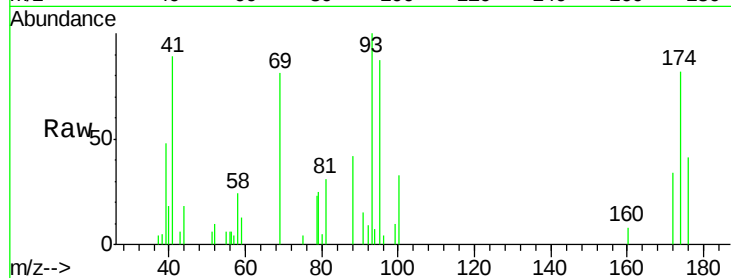




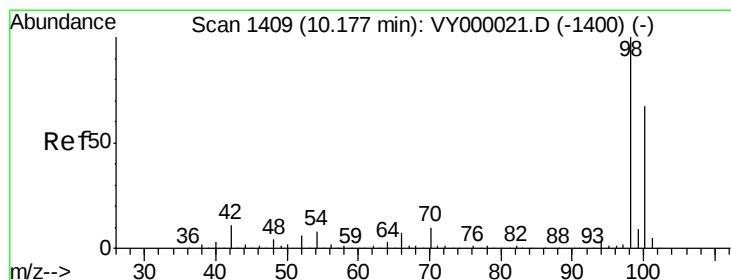
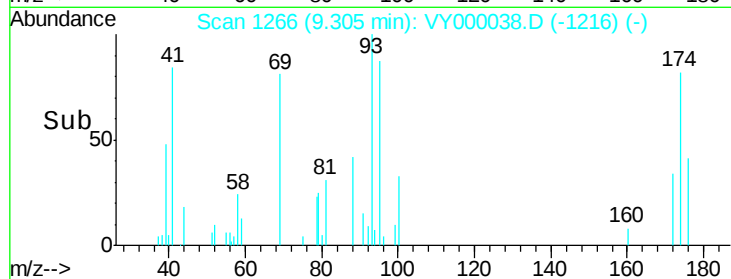
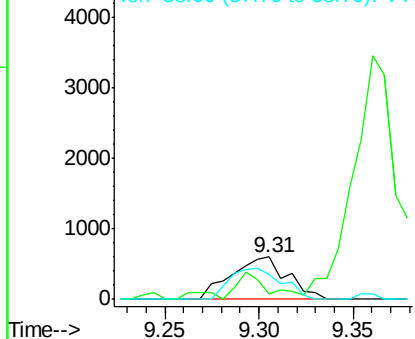
#49
 1,4-Dioxane
 Concen: 71.773 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion: 88 Resp: 1233
 Ion Ratio Lower Upper
 88 100
 43 34.6 24.6 37.0
 58 68.1 52.7 79.1

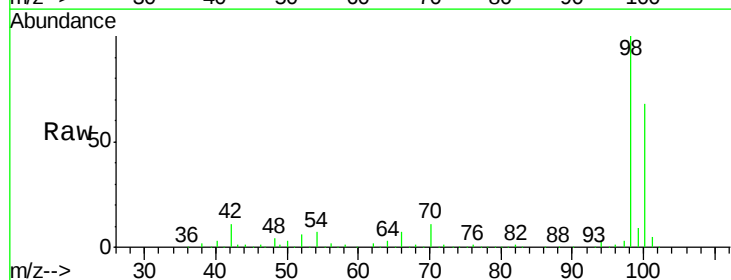


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

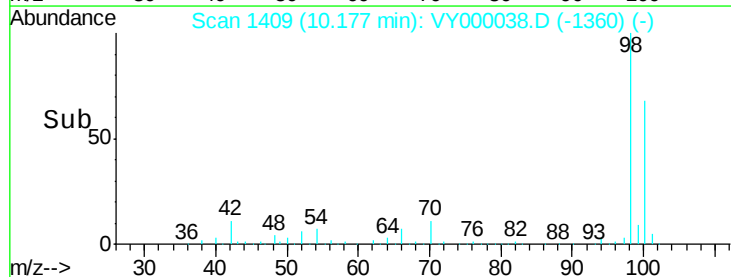
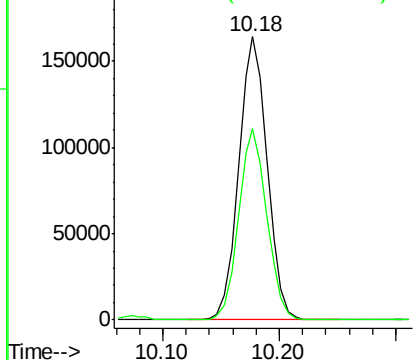


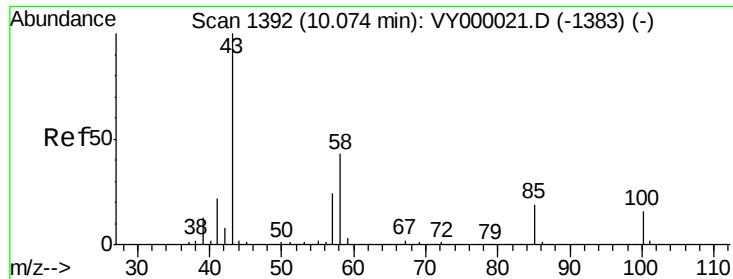
#50
 Toluene-d8
 Concen: 50.201 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 98 Resp: 278068
 Ion Ratio Lower Upper
 98 100
 100 67.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0

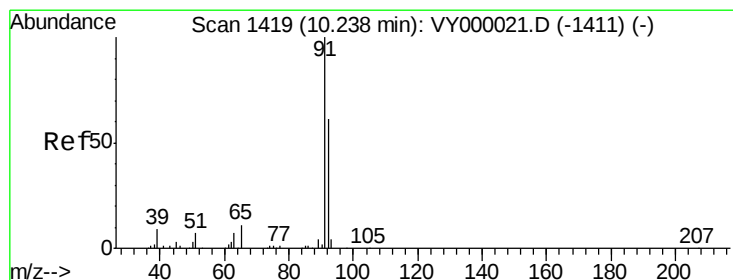
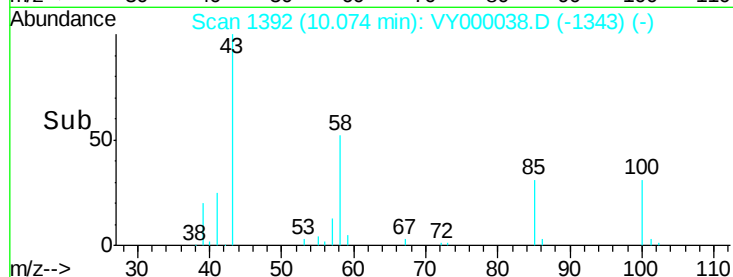
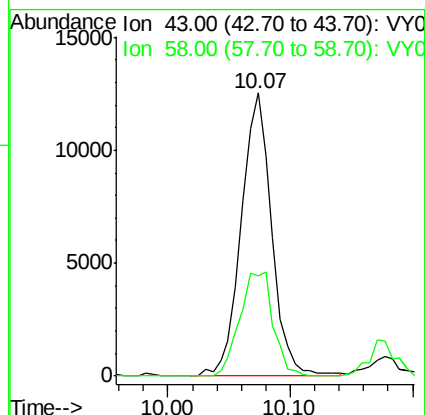
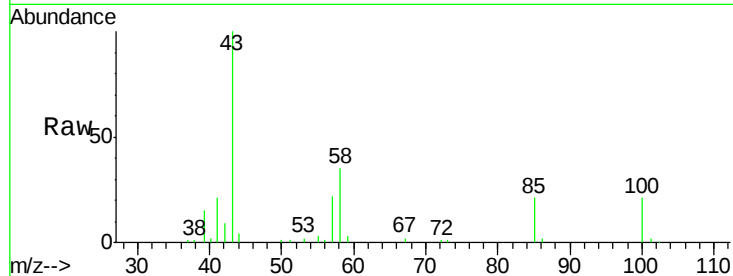




#51
4-Methyl-2-Pentanone
Concen: 16.813 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

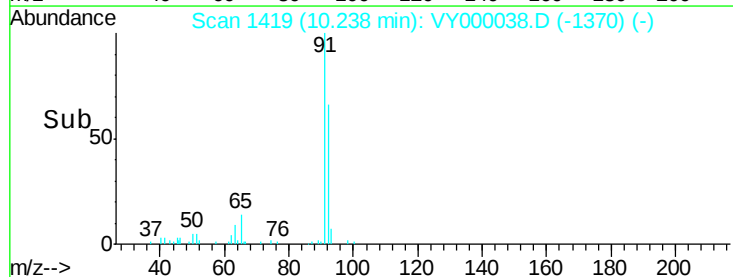
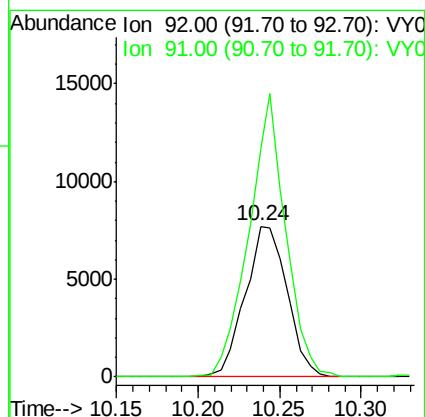
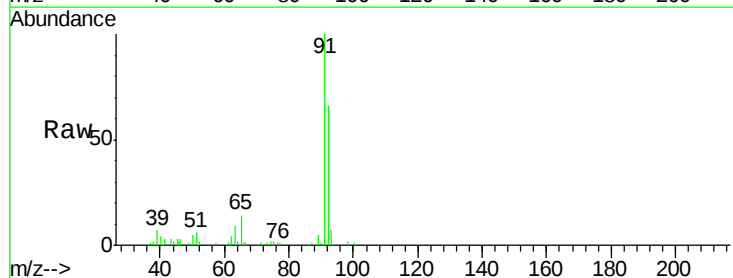
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

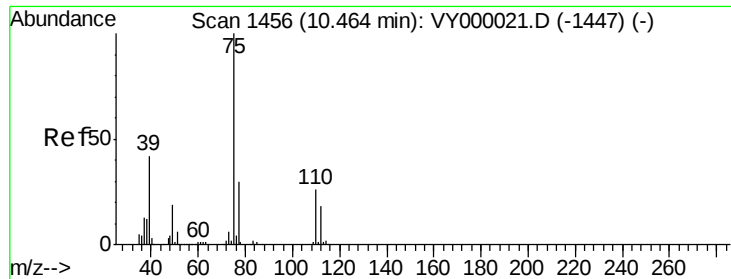
Tot Ion: 43 Resp: 21675
Ion Ratio Lower Upper
43 100
58 40.1 34.1 51.1



#52
Toluene
Concen: 3.815 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 92 Resp: 13742
Ion Ratio Lower Upper
92 100
91 165.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 3.442 ug/l

RT: 10.46 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

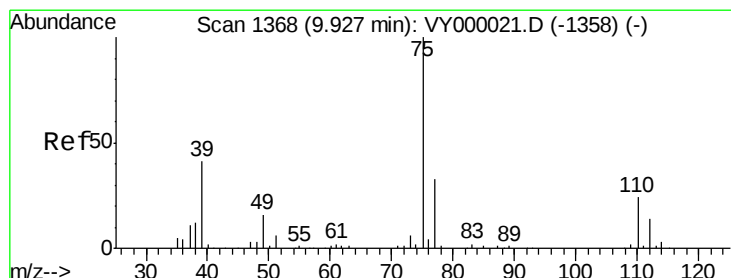
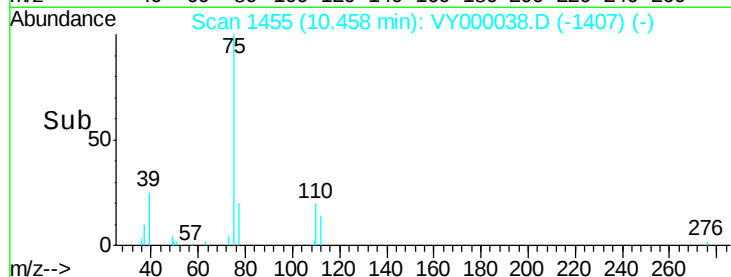
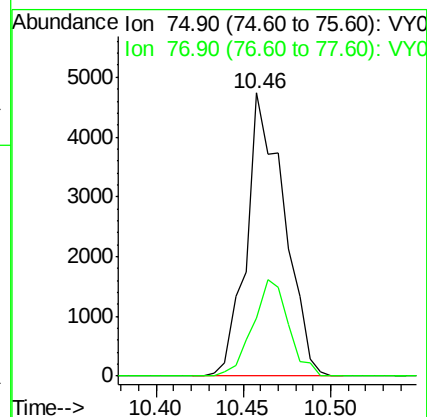
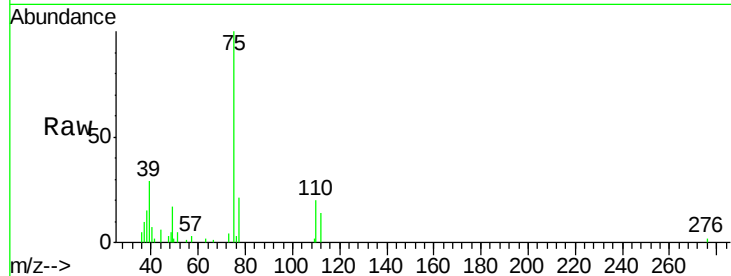
MDL2

Tot Ion: 75 Resp: 7086

Ion Ratio Lower Upper

75 100

77 20.6 23.8 35.8#



#54

cis-1,3-Dichloropropene

Concen: 3.420 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

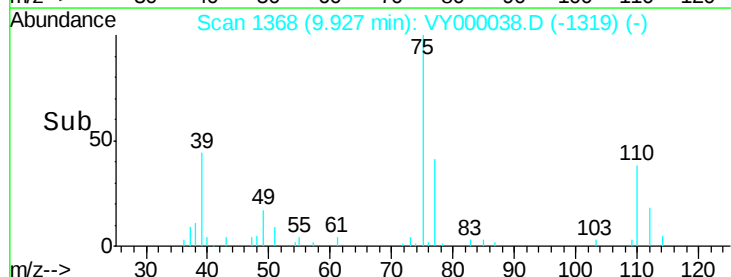
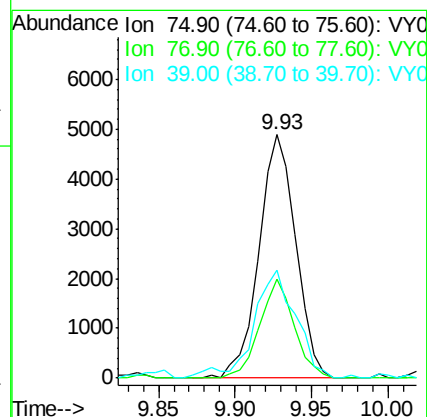
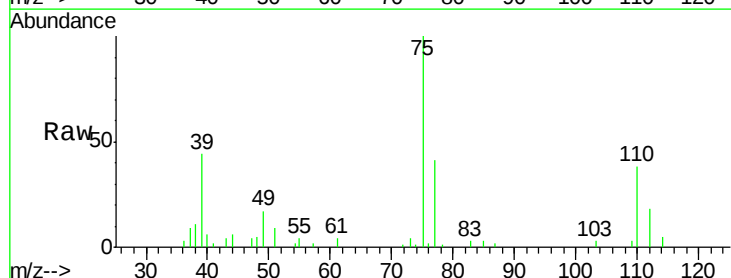
Tgt Ion: 75 Resp: 8193

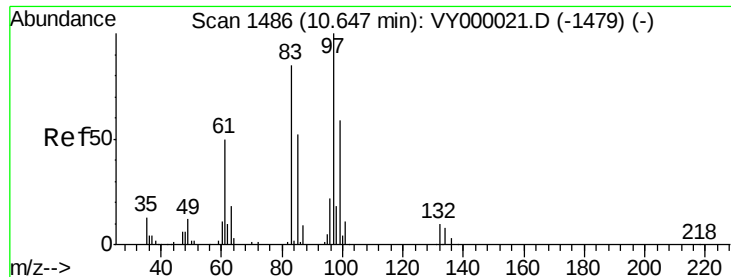
Ion Ratio Lower Upper

75 100

77 40.6 26.3 39.5#

39 44.1 32.9 49.3

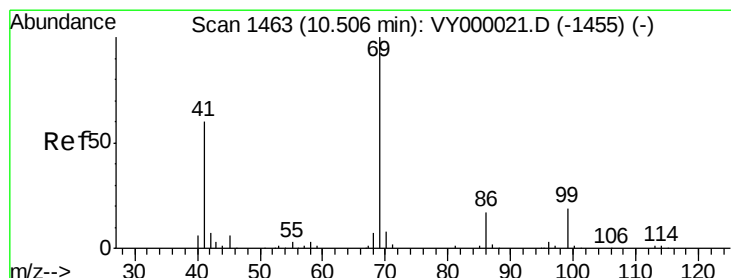
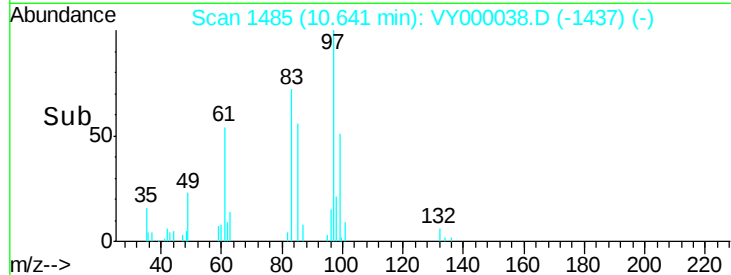
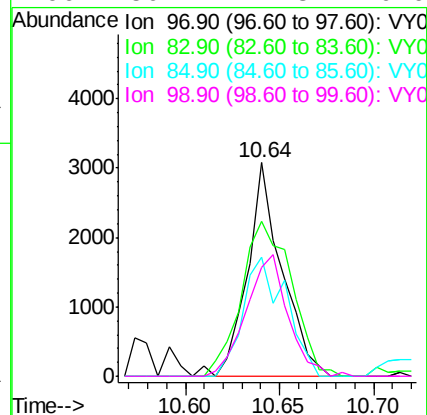
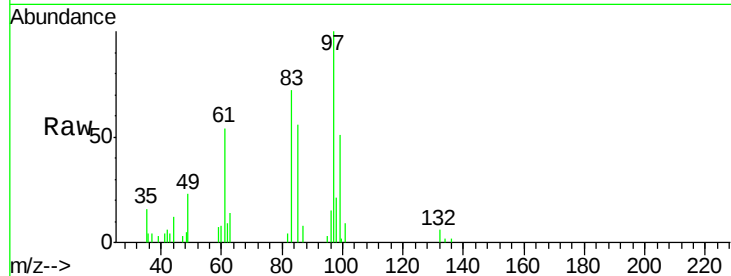




#55
 1,1,2-Trichloroethane
 Concen: 3.023 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

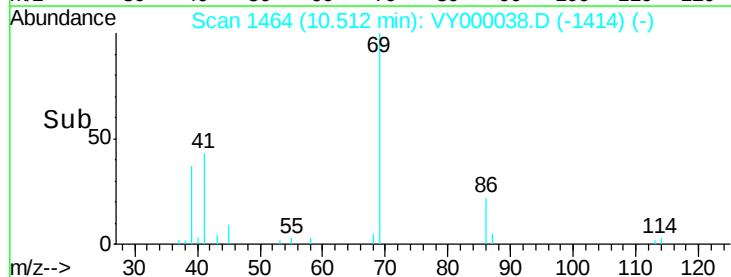
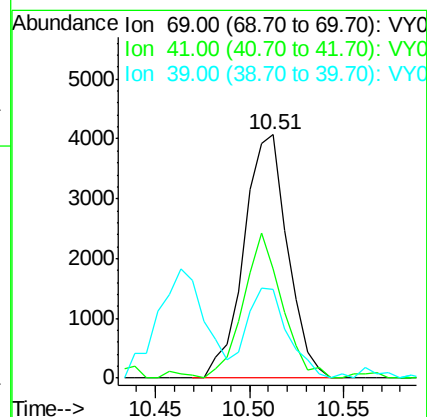
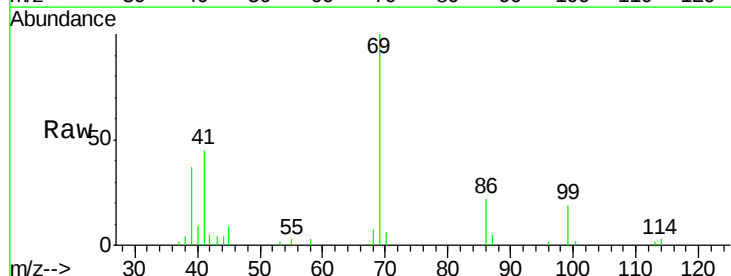
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

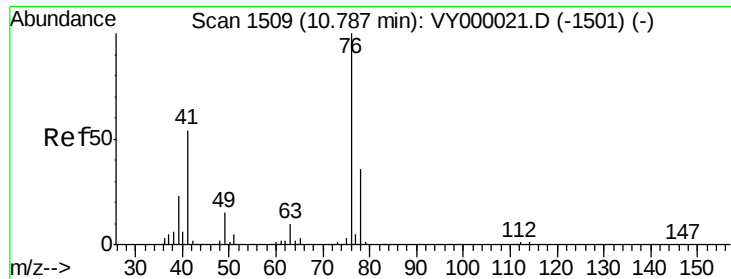
Tot Ion: 97 Resp: 3930
 Ion Ratio Lower Upper
 97 100
 83 72.2 68.2 102.2
 85 55.9 41.7 62.5
 99 50.7 47.3 70.9



#56
 Ethyl methacrylate
 Concen: 3.586 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 69 Resp: 6543
 Ion Ratio Lower Upper
 69 100
 41 52.8 47.0 70.4
 39 34.9 26.4 39.6





#57

1,3-Dichloropropane

Concen: 3.666 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

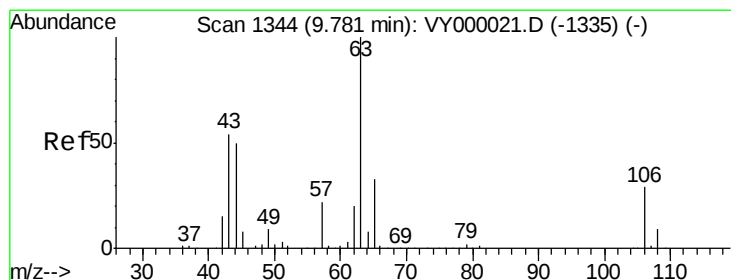
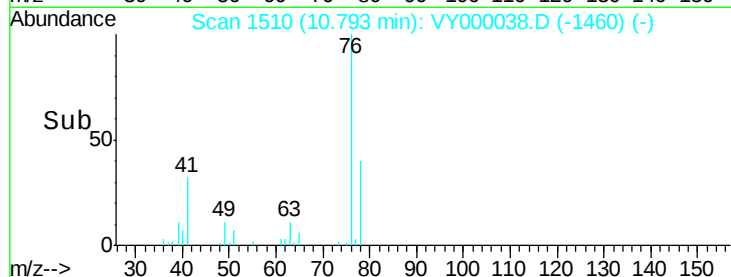
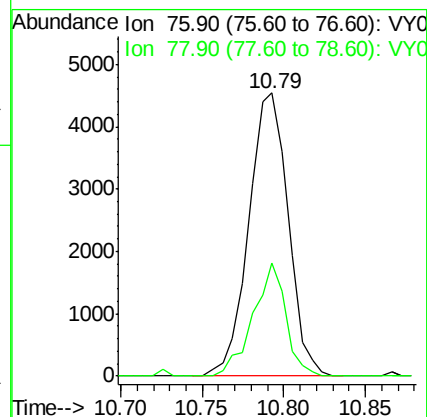
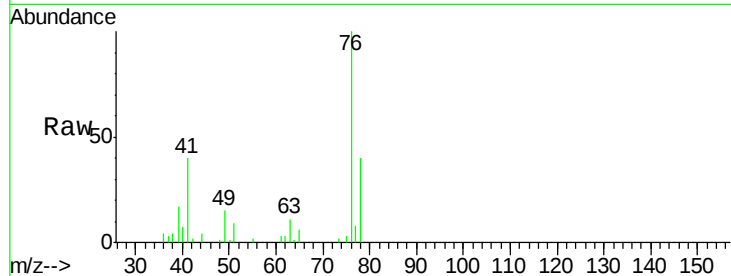
MDL2

Tot Ion: 76 Resp: 7622

Ion Ratio Lower Upper

76 100

78 33.4 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 15.787 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000038.D

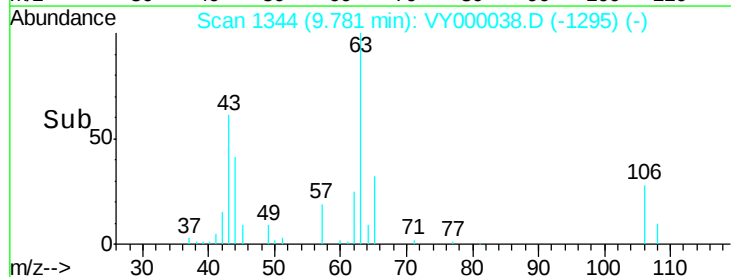
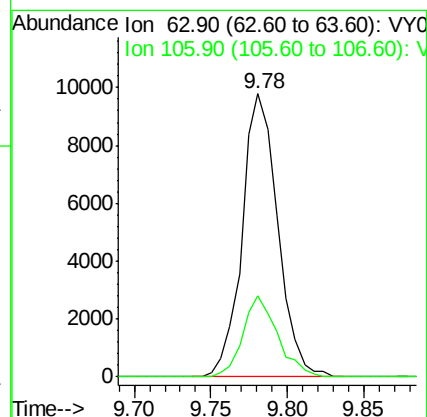
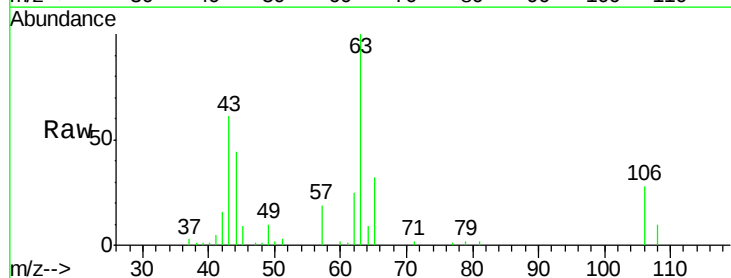
Acq: 13 Sep 2019 11:39

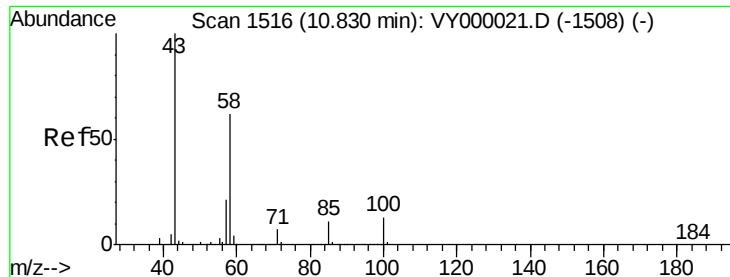
Tgt Ion: 63 Resp: 15777

Ion Ratio Lower Upper

63 100

106 27.9 23.7 35.5

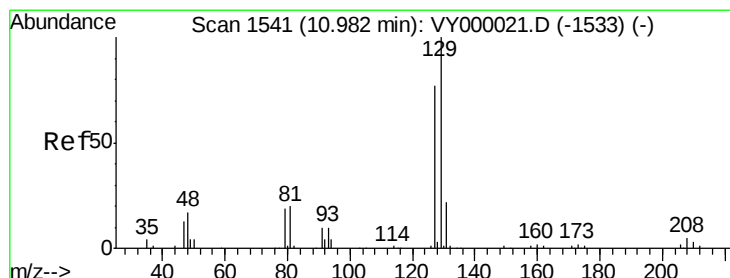
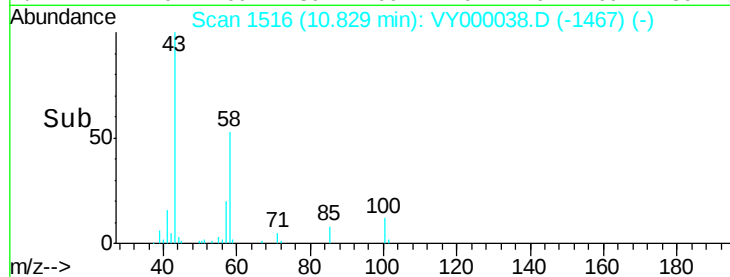
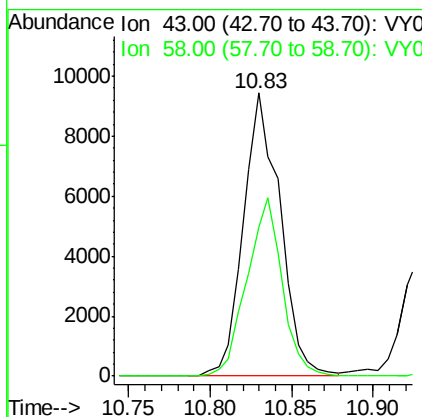
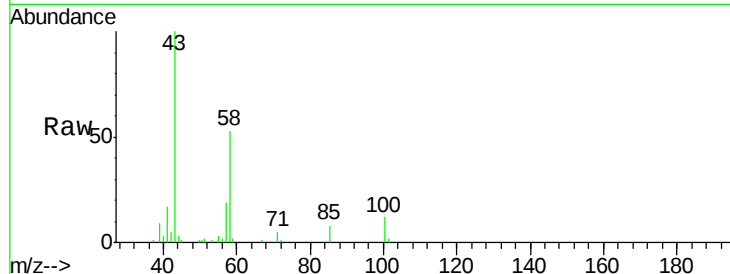




#59
2-Hexanone
Concen: 15.897 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

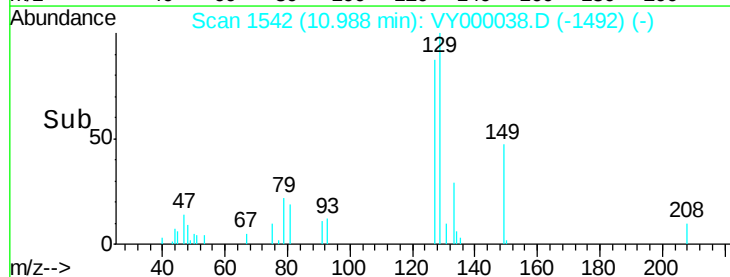
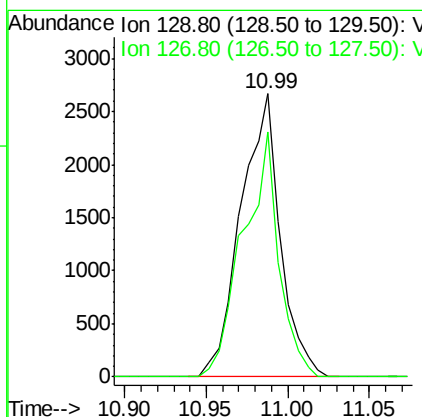
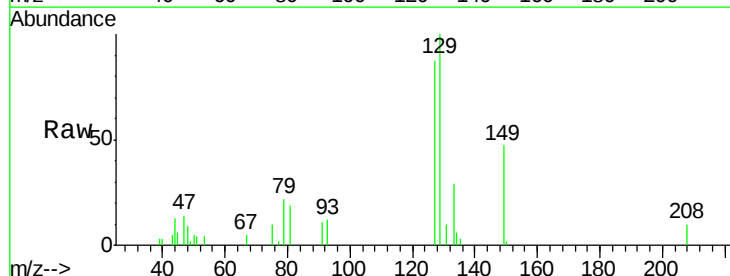
Instrument :
MSVOA_Y
ClientSampled :
MDL2

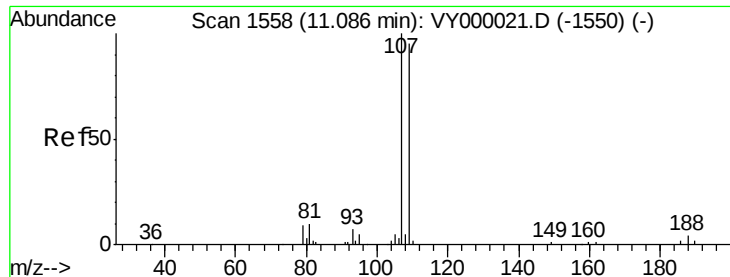
Tot Ion: 43 Resp: 14769
Ion Ratio Lower Upper
43 100
58 60.5 30.3 90.8



#60
Dibromochloromethane
Concen: 3.277 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 129 Resp: 4488
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.2

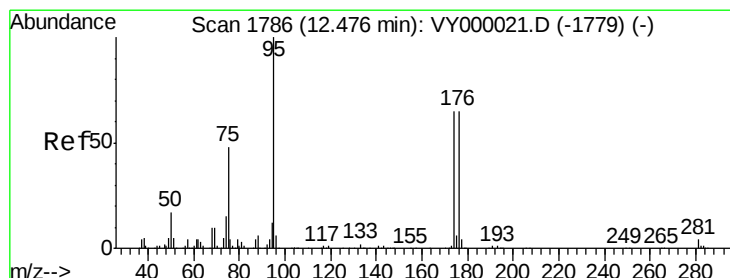
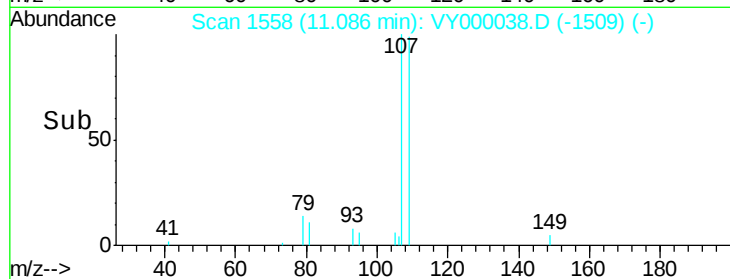
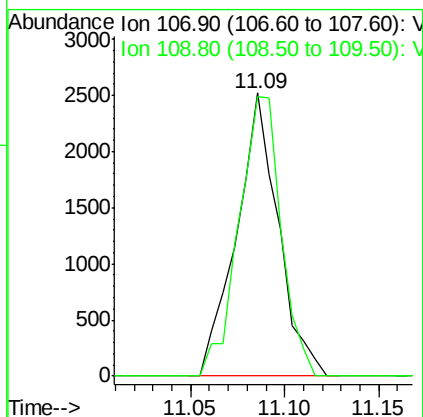
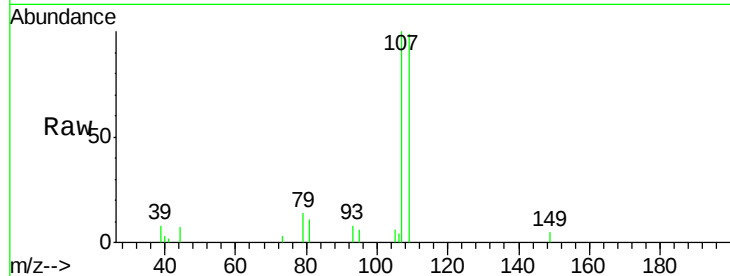




#61
 1,2-Dibromoethane
 Concen: 3.374 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

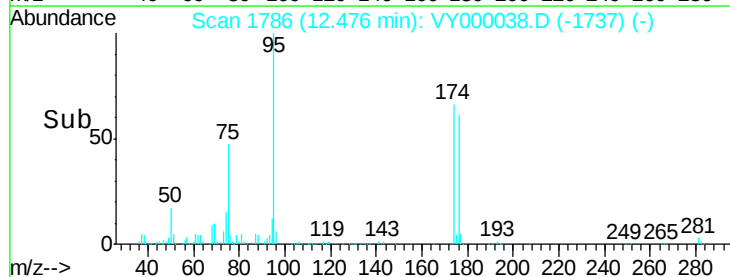
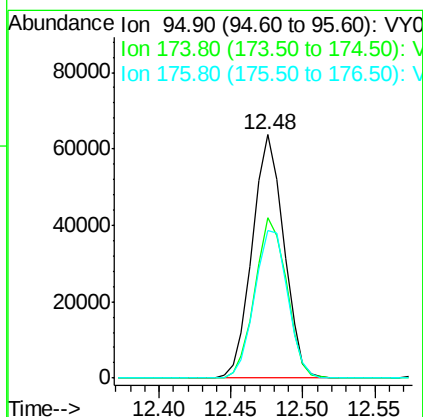
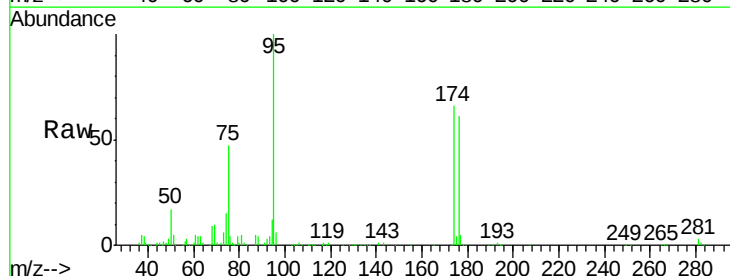
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

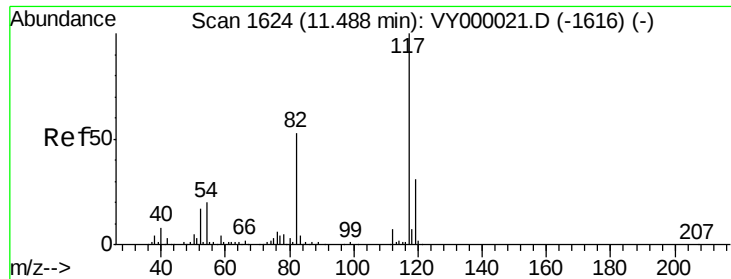
Tot Ion:107 Resp: 3874
 Ion Ratio Lower Upper
 107 100
 109 99.7 76.7 115.1



#62
 4-Bromofluorobenzene
 Concen: 47.915 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion: 95 Resp: 96465
 Ion Ratio Lower Upper
 95 100
 174 66.0 0.0 137.6
 176 63.6 0.0 134.8

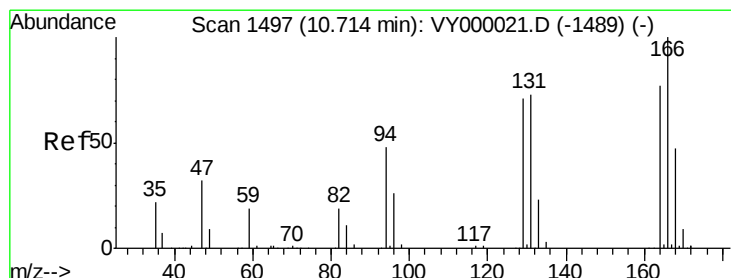
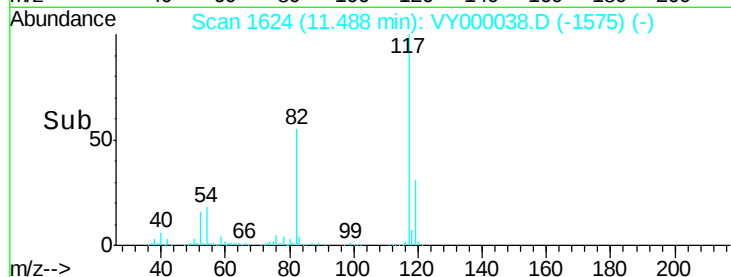
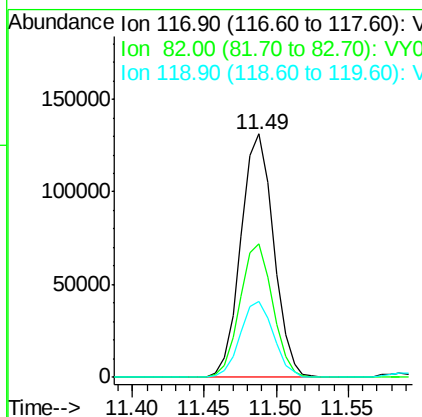
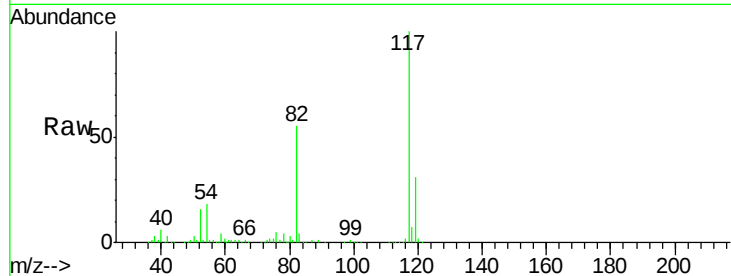




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

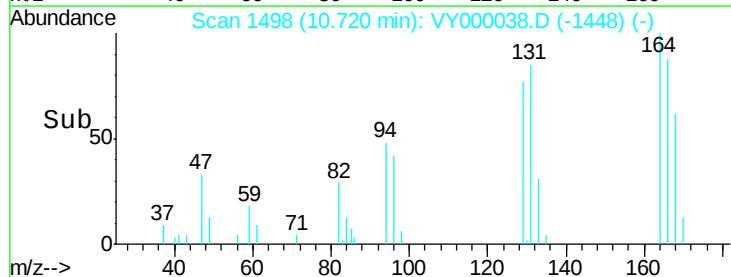
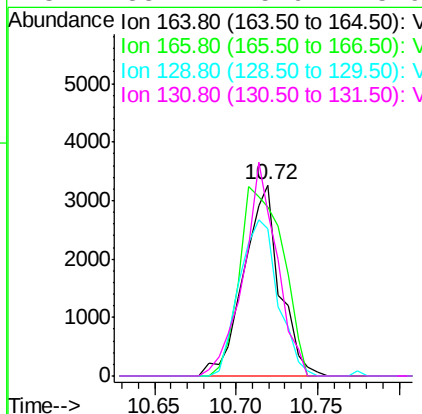
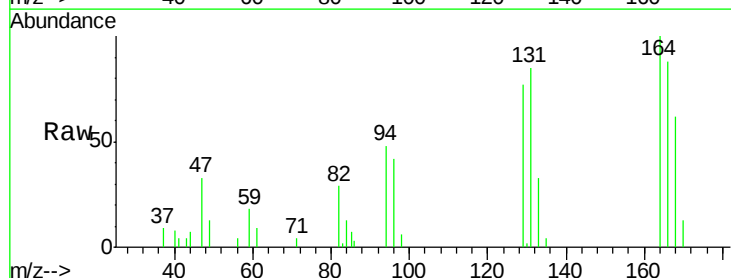
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

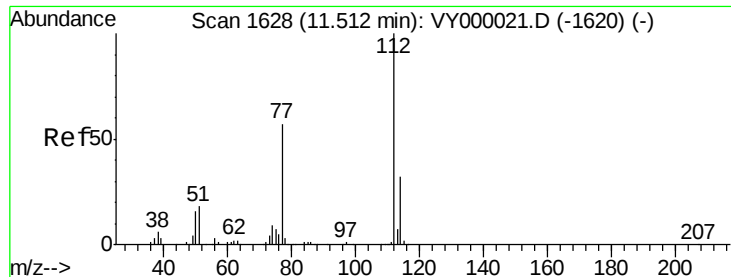
Tot Ion:117 Resp: 207860
Ion Ratio Lower Upper
117 100
82 55.0 42.5 63.7
119 31.1 25.1 37.7



#64
Tetrachloroethene
Concen: 3.956 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:164 Resp: 5043
Ion Ratio Lower Upper
164 100
166 88.4 103.4 155.0#
129 76.7 73.4 110.0
131 85.4 75.9 113.9

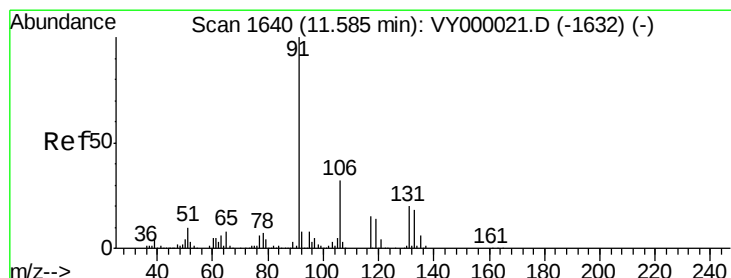
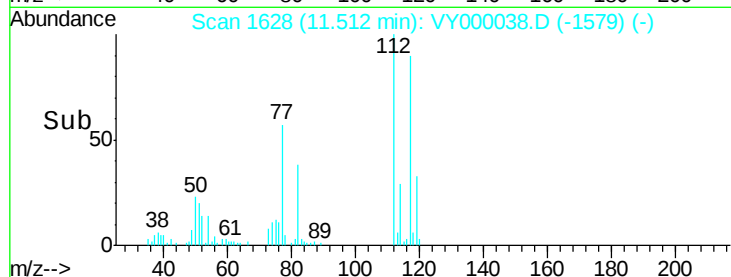
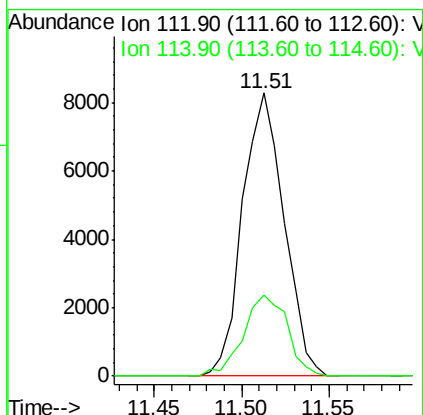
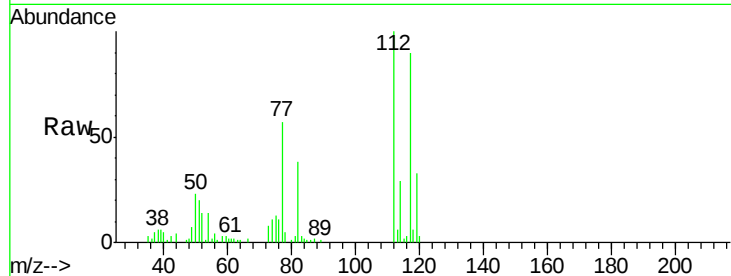




#65
Chlorobenzene
Concen: 3.450 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

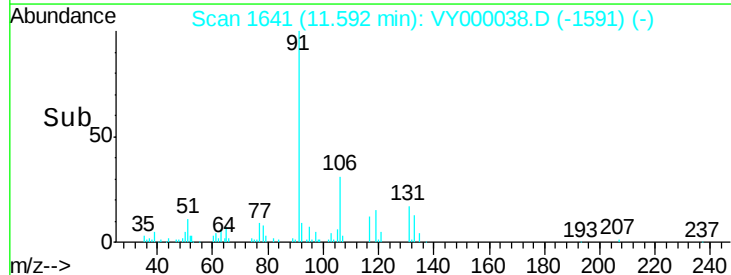
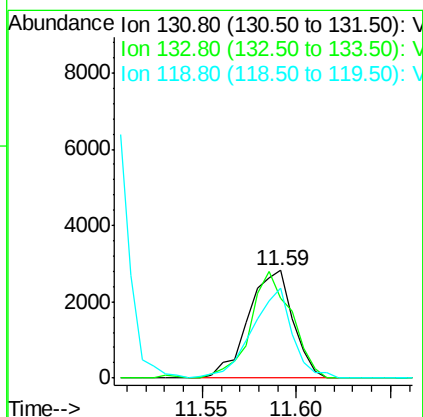
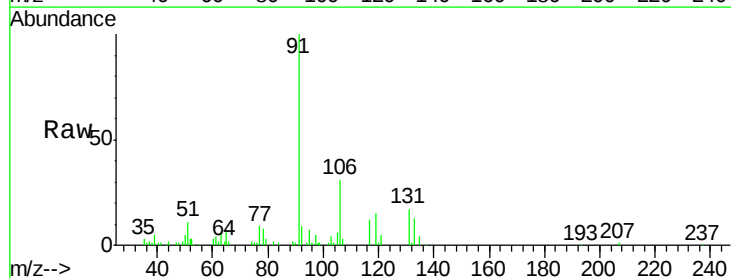
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

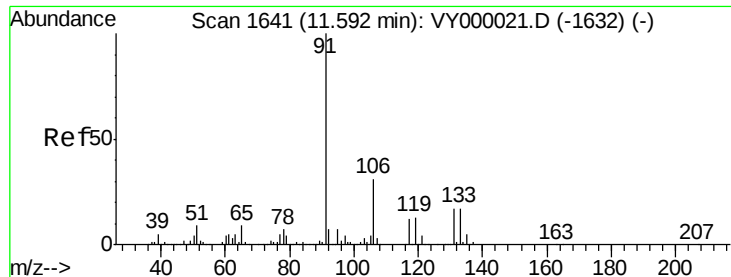
Tot Ion:112 Resp: 13664
Ion Ratio Lower Upper
112 100
114 28.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 3.389 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:131 Resp: 4651
Ion Ratio Lower Upper
131 100
133 90.6 47.2 141.6
119 75.6 35.4 106.3

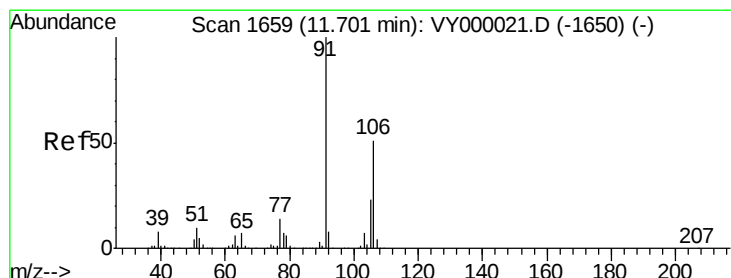
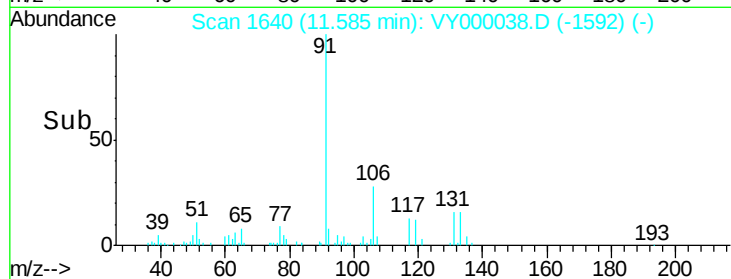
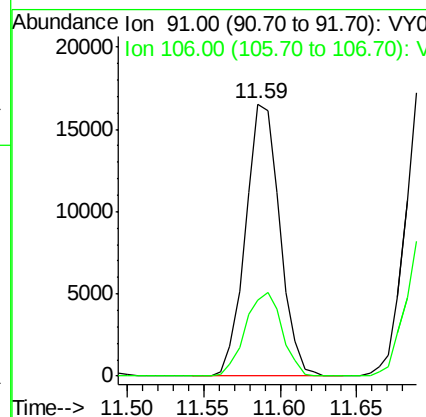
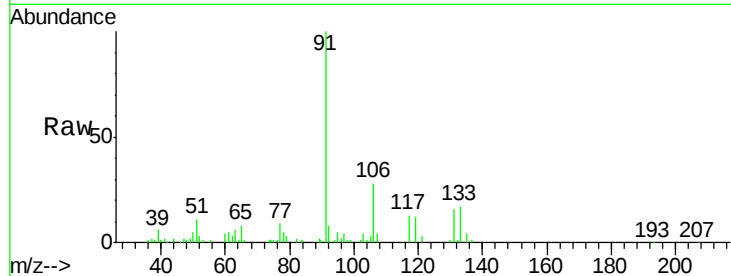




#67
Ethyl Benzene
Concen: 3.571 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

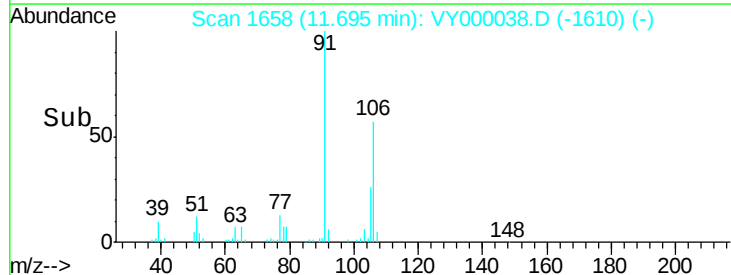
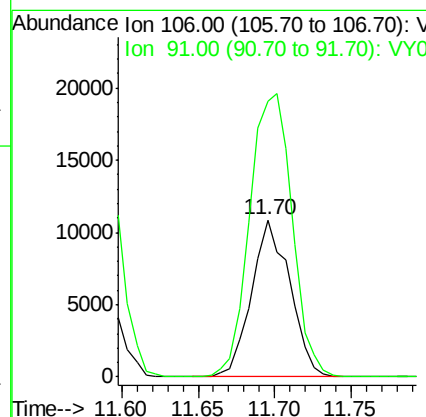
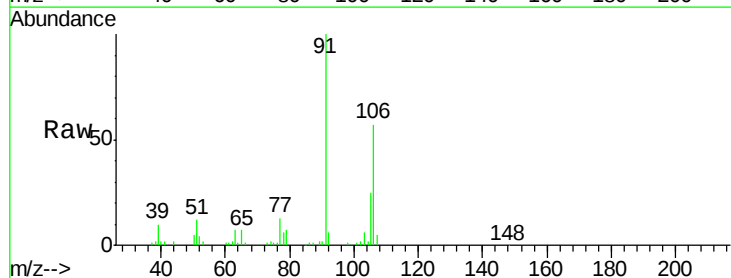
Instrument :
MSVOA_Y
ClientSampled :
MDL2

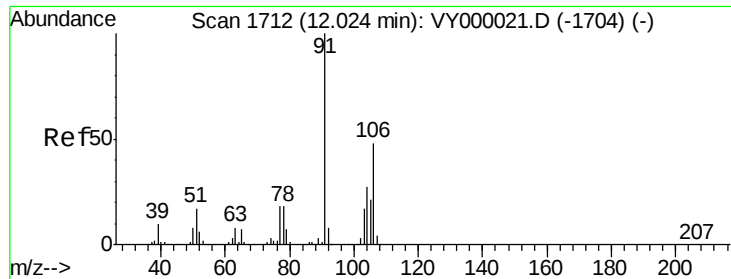
Tot Ion: 91 Resp: 25693
Ion Ratio Lower Upper
91 100
106 27.8 24.6 37.0



#68
m/p-Xylenes
Concen: 7.003 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion: 106 Resp: 19016
Ion Ratio Lower Upper
106 100
91 199.4 158.5 237.7

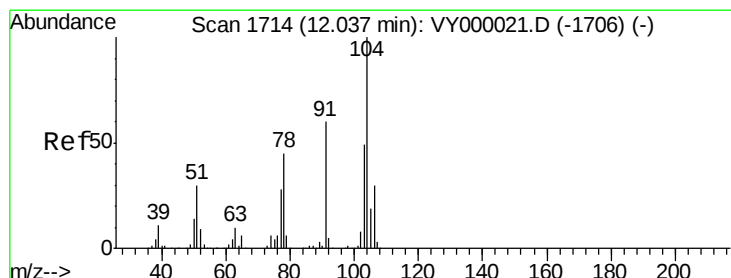
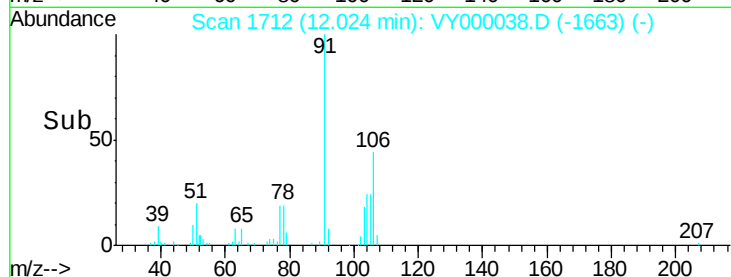
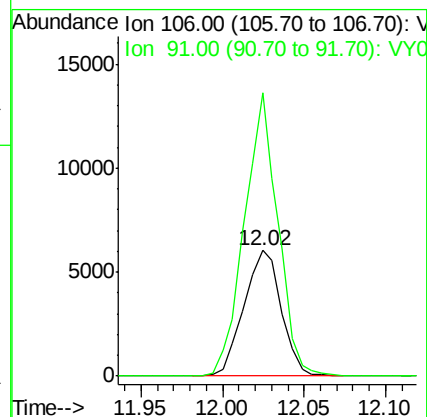
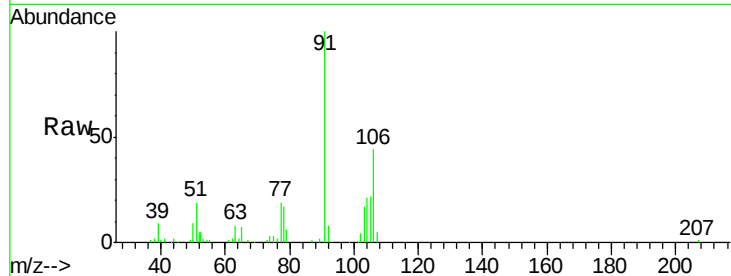




#69
o-Xylene
Concen: 3.636 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

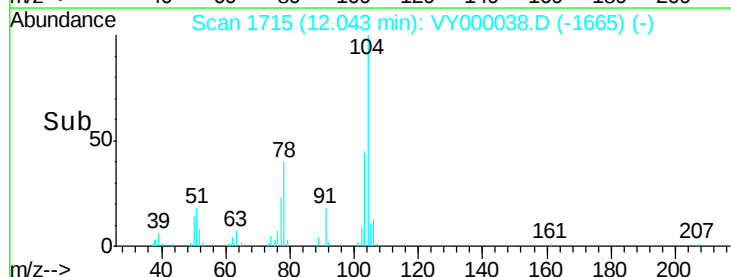
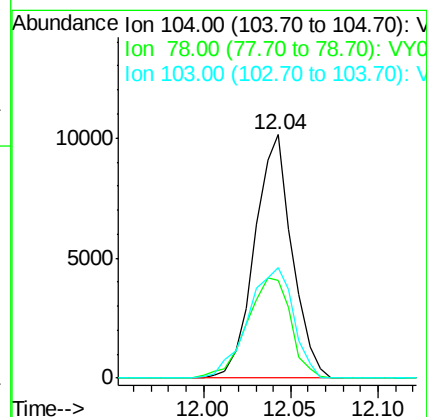
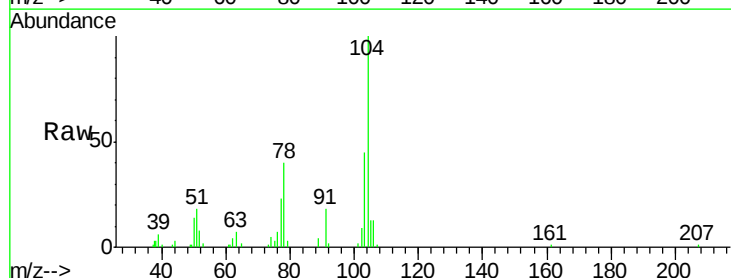
Instrument :
MSVOA_Y
ClientSampled :
MDL2

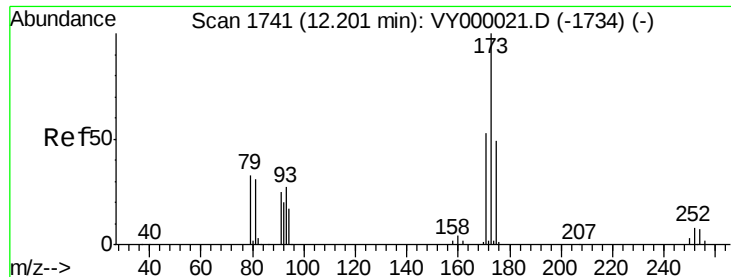
Tot Ion:106 Resp: 9675
Ion Ratio Lower Upper
106 100
91 201.6 104.0 312.0



#70
Styrene
Concen: 3.278 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:104 Resp: 15177
Ion Ratio Lower Upper
104 100
78 48.2 38.0 57.0
103 55.1 42.4 63.6





#71

Bromoform

Concen: 2.876 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

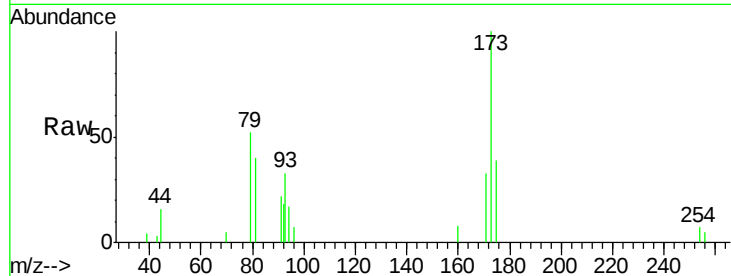
Tot Ion:173 Resp: 2383

Ion Ratio Lower Upper

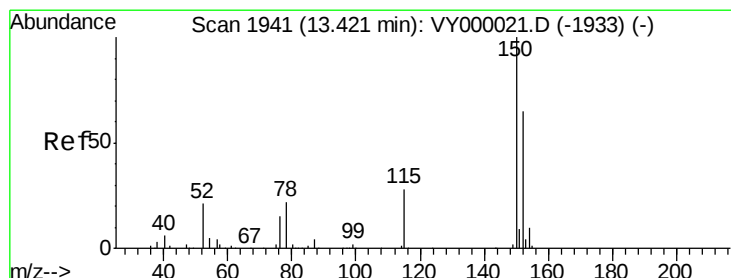
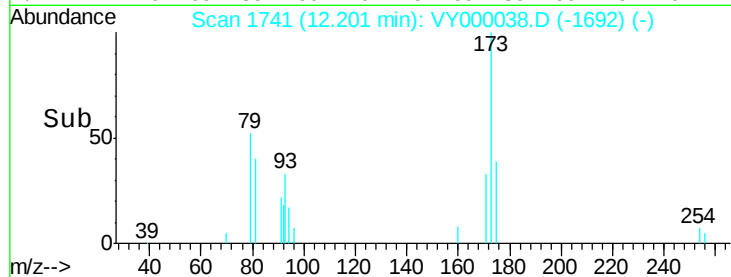
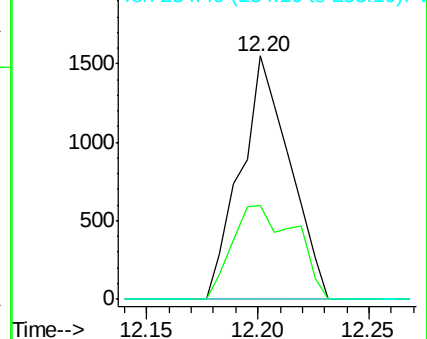
173 100

175 49.1 25.1 75.4

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

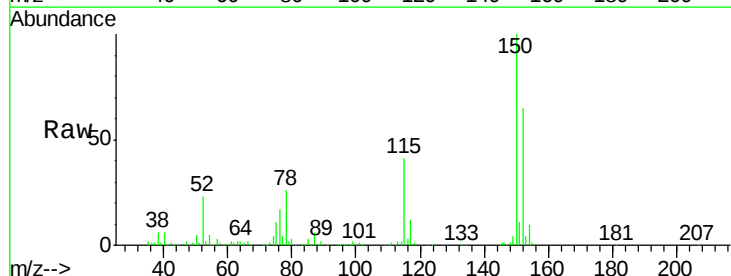
Tgt Ion:152 Resp: 88212

Ion Ratio Lower Upper

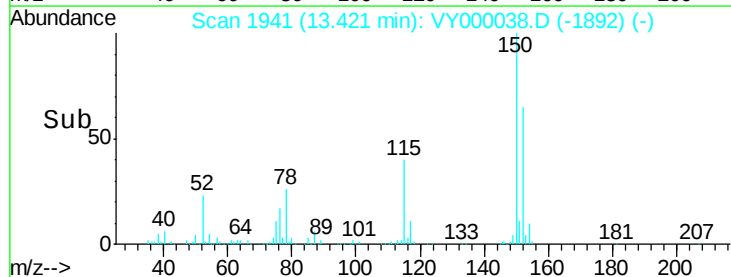
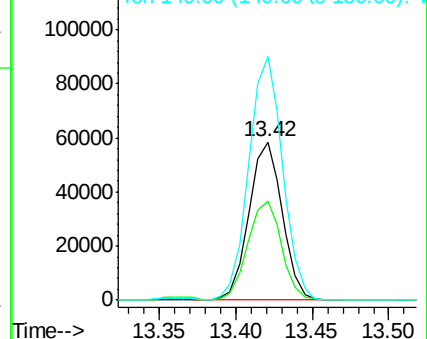
152 100

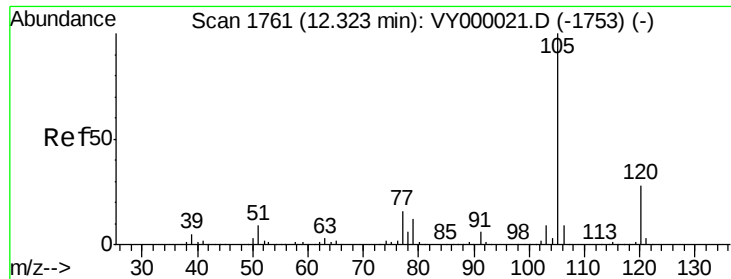
115 63.4 29.4 88.2

150 156.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.630 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

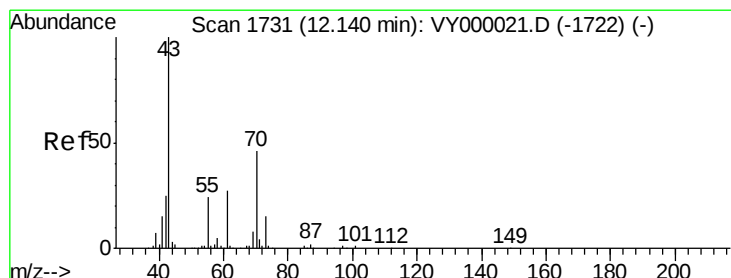
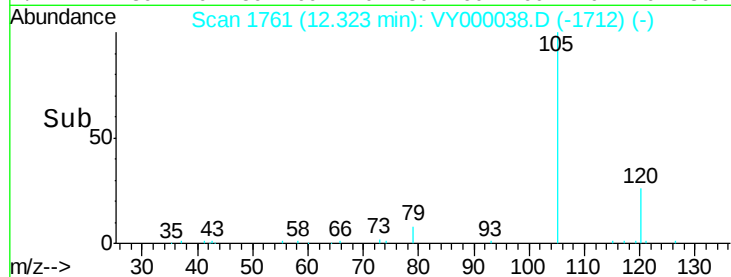
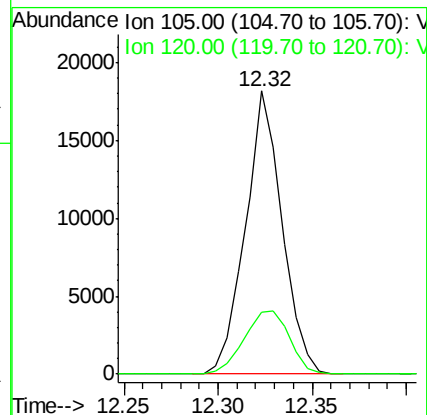
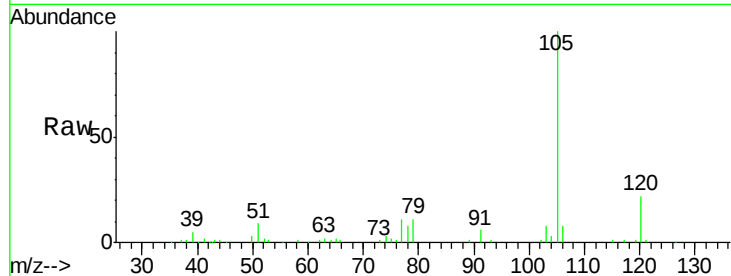
MDL2

Tot Ion:105 Resp: 24464

Ion Ratio Lower Upper

105 100

120 27.5 13.9 41.6



#74

N-ethyl acetate

Concen: 3.178 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Tgt Ion: 43 Resp: 6323

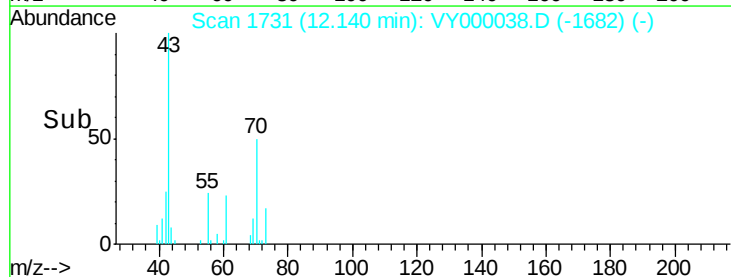
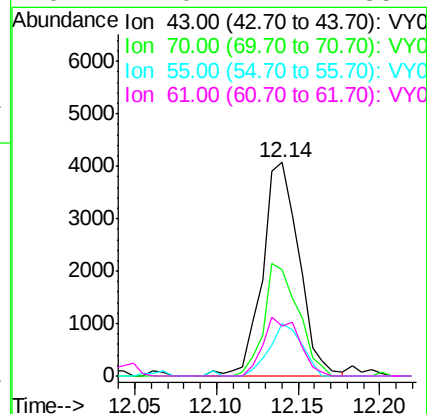
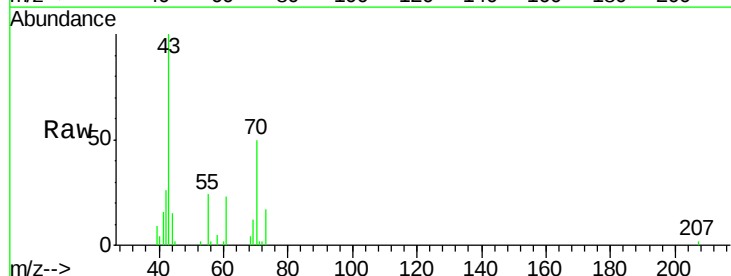
Ion Ratio Lower Upper

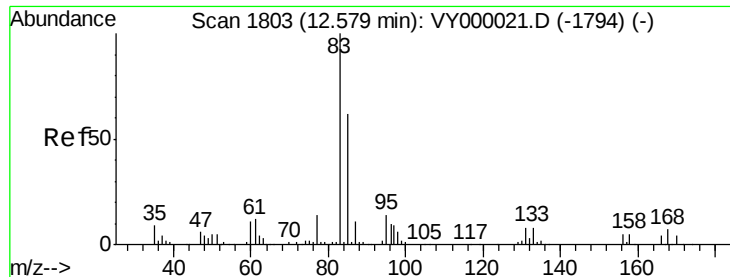
43 100

70 49.3 38.1 57.1

55 21.8 18.7 28.1

61 27.0 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.456 ug/l

RT: 12.57 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

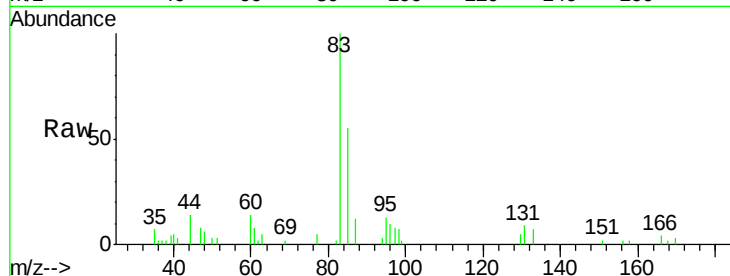
MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 83 Resp: 5570

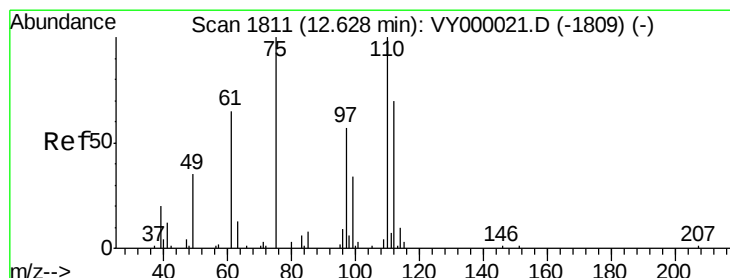
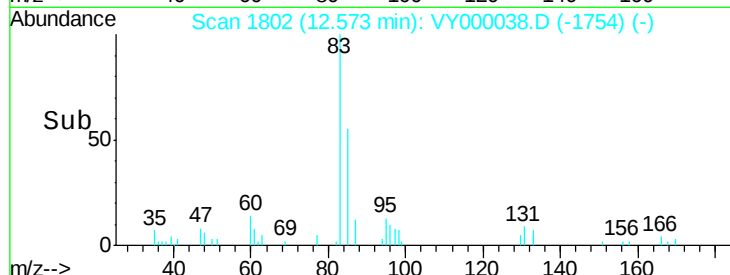
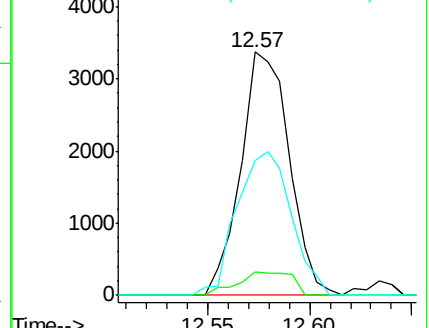
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.6	13.8
85	66.1	31.8	95.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 3.465 ug/l m

RT: 12.63 min Scan# 1811

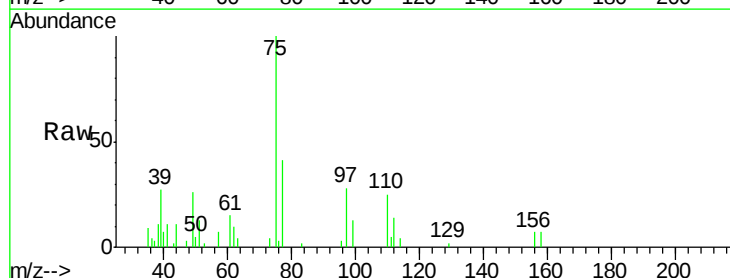
Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

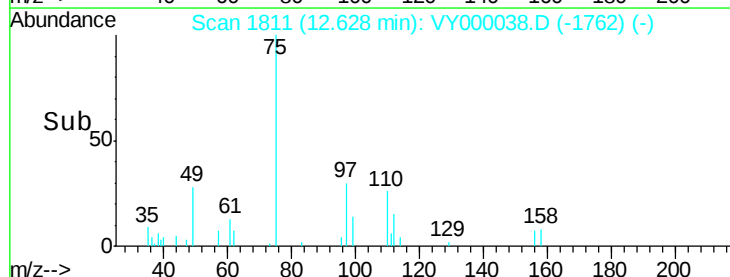
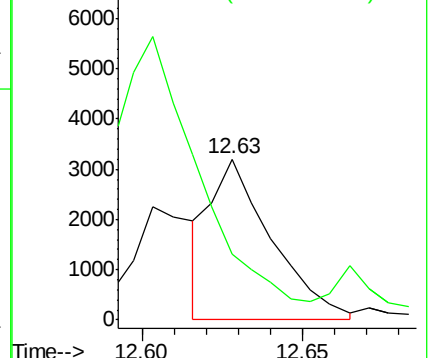
Tgt Ion: 75 Resp: 4245

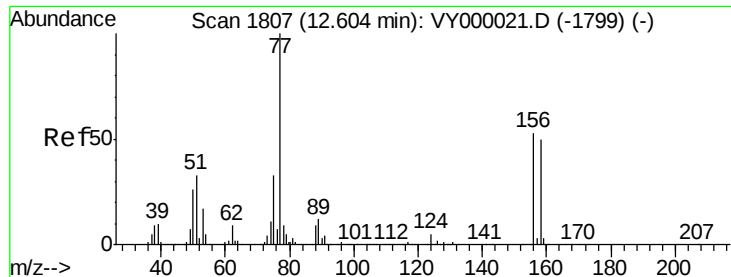
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 3.623 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

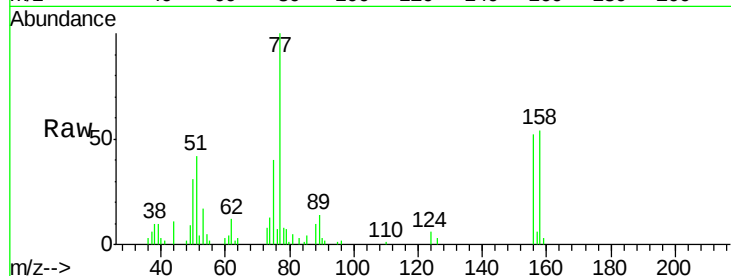
Tot Ion:156 Resp: 5166

Ion Ratio Lower Upper

156 100

77 217.2 106.0 317.9

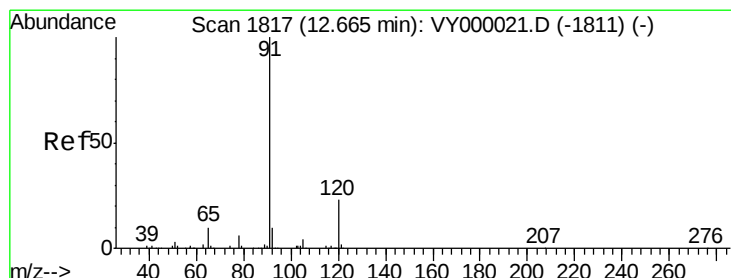
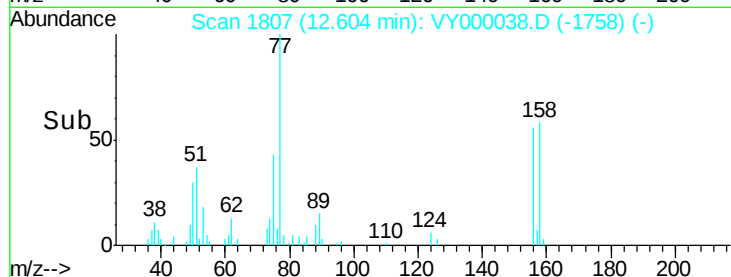
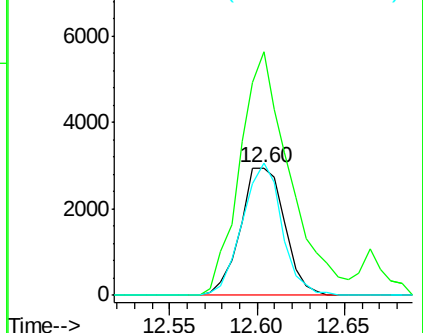
158 93.1 47.3 141.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.625 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000038.D

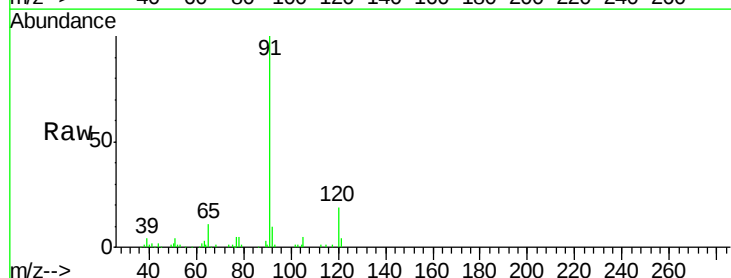
Acq: 13 Sep 2019 11:39

Tgt Ion: 91 Resp: 29859

Ion Ratio Lower Upper

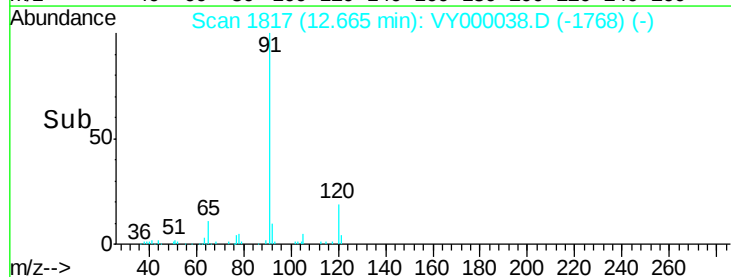
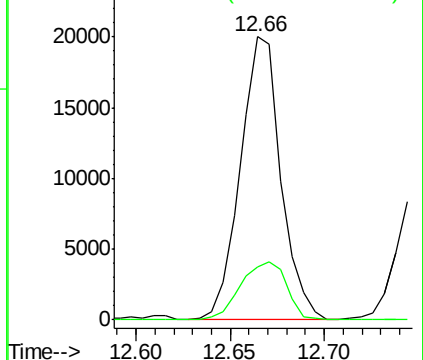
91 100

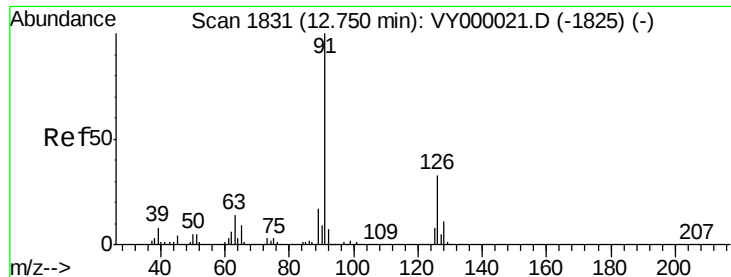
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.628 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

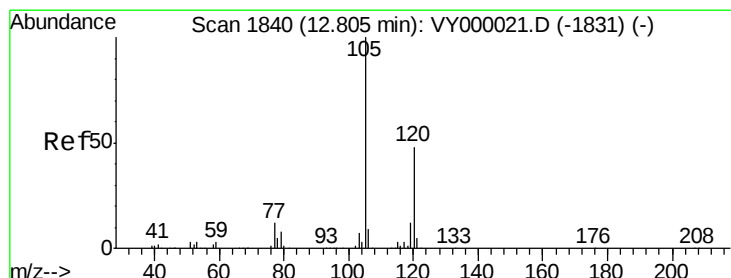
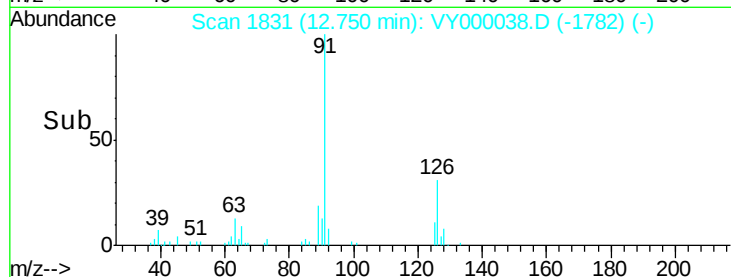
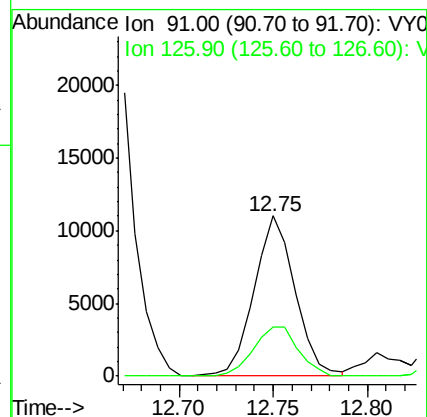
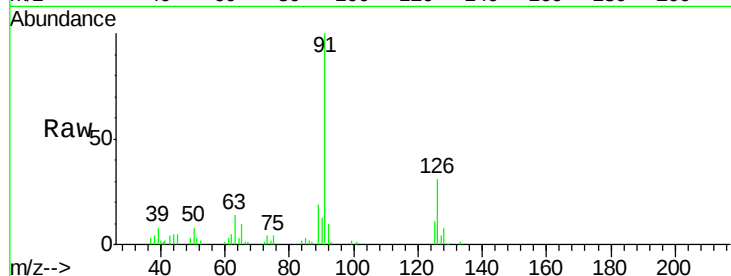
MDL2

Tot Ion: 91 Resp: 16710

Ion Ratio Lower Upper

91 100

126 33.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 3.533 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000038.D

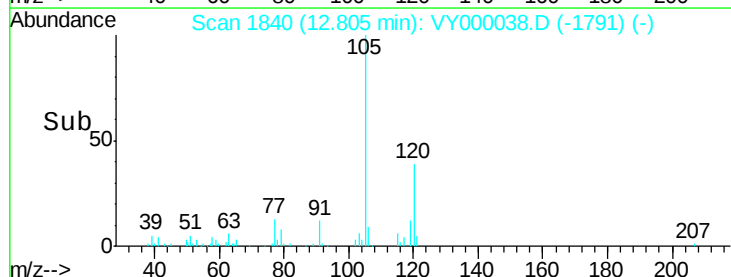
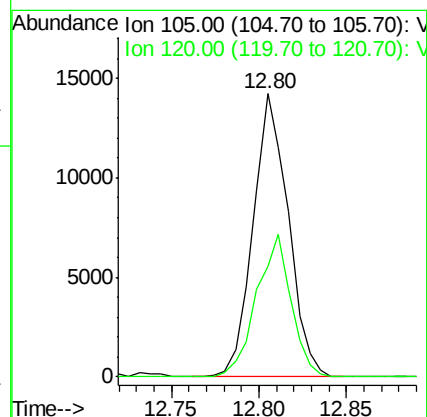
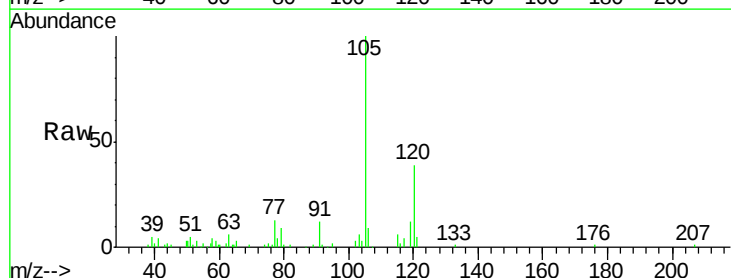
Acq: 13 Sep 2019 11:39

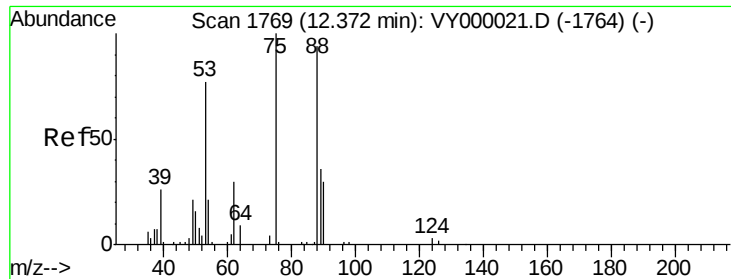
Tgt Ion: 105 Resp: 19881

Ion Ratio Lower Upper

105 100

120 49.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 3.395 ug/l

RT: 12.38 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

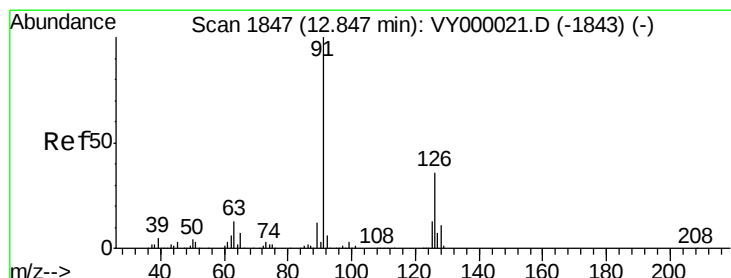
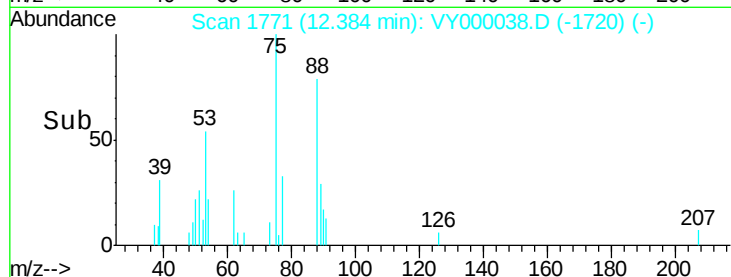
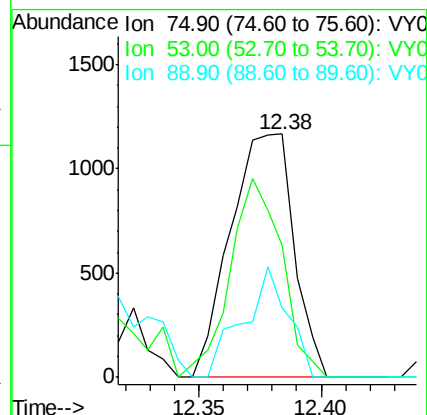
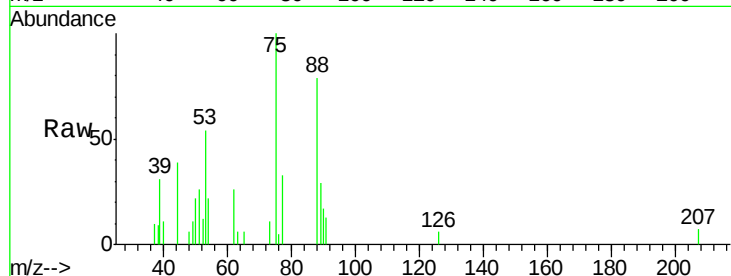
Tot Ion: 75 Resp: 2097

Ion Ratio Lower Upper

75 100

53 67.0 64.2 96.2

89 32.3 35.5 53.3#



#82

4-Chlorotoluene

Concen: 3.581 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VY000038.D

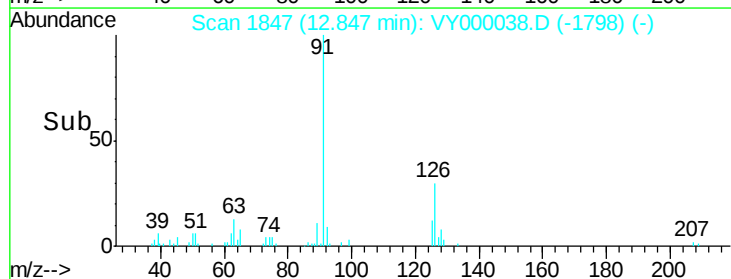
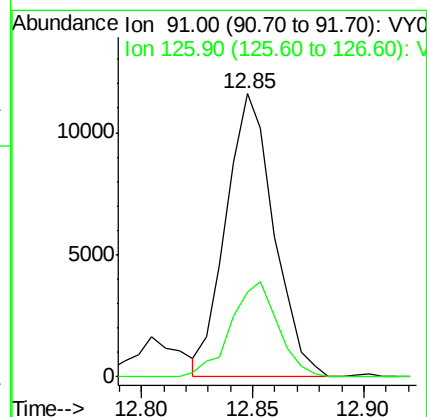
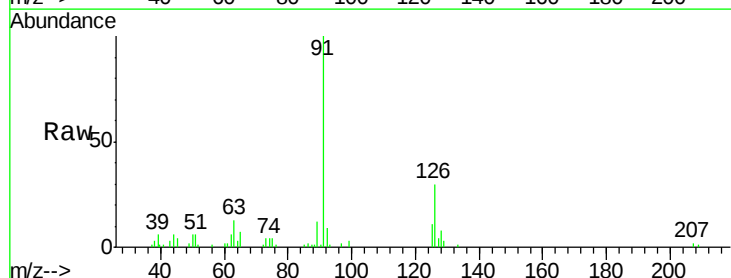
Acq: 13 Sep 2019 11:39

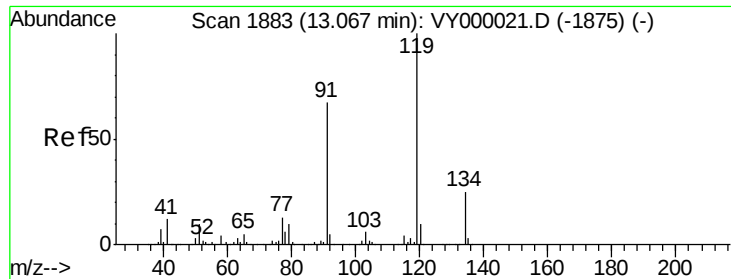
Tgt Ion: 91 Resp: 17310

Ion Ratio Lower Upper

91 100

126 33.3 17.2 51.5

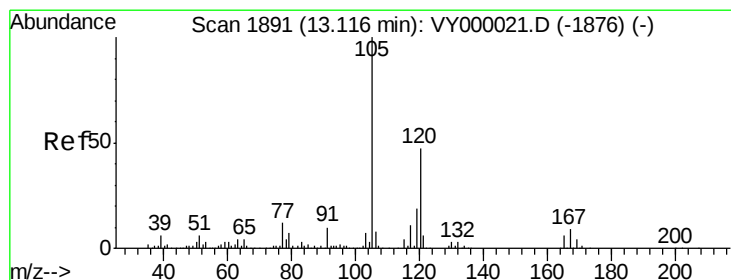
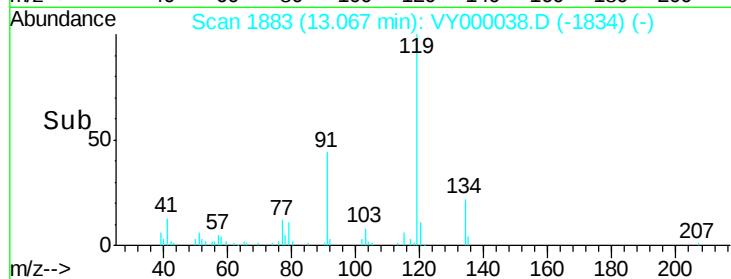
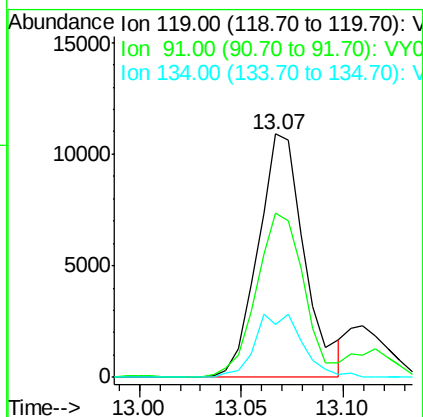
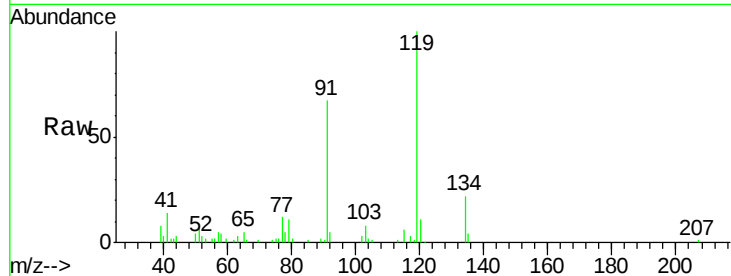




#83
tert-Butylbenzene
Concen: 3.569 ug/l
RT: 13.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

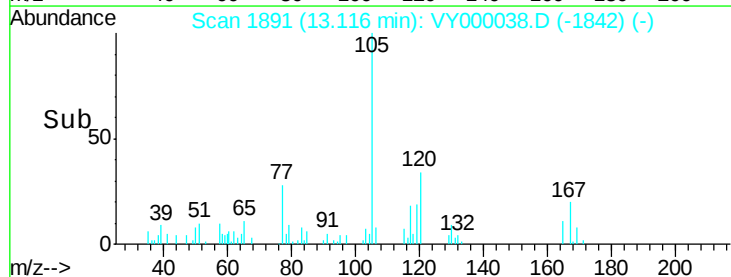
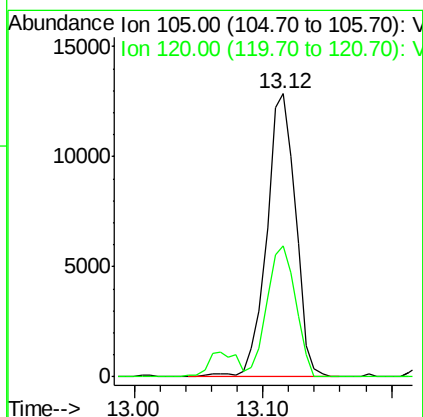
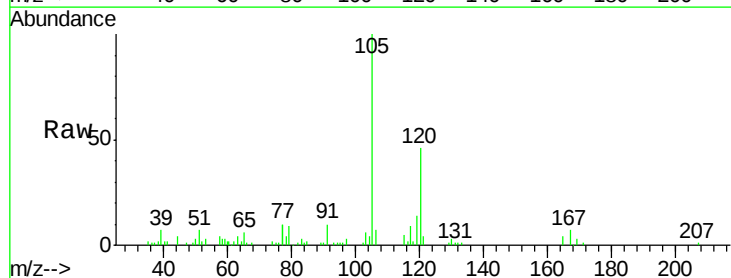
Instrument :
MSVOA_Y
ClientSampled :
MDL2

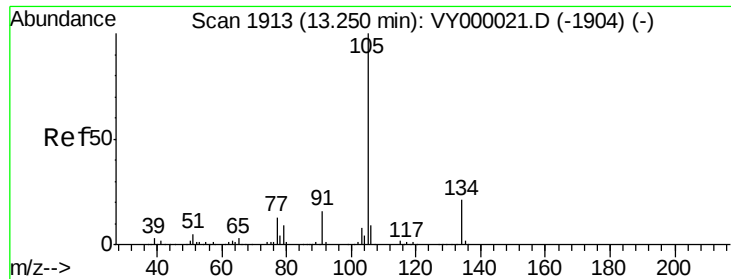
Tot Ion:119 Resp: 17259
Ion Ratio Lower Upper
119 100
91 69.4 33.1 99.5
134 26.7 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 3.617 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:105 Resp: 20109
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 3.762 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampleId :

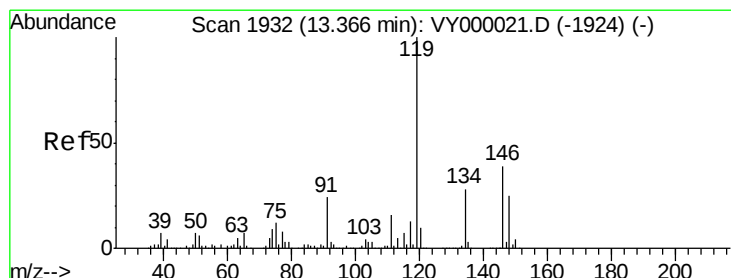
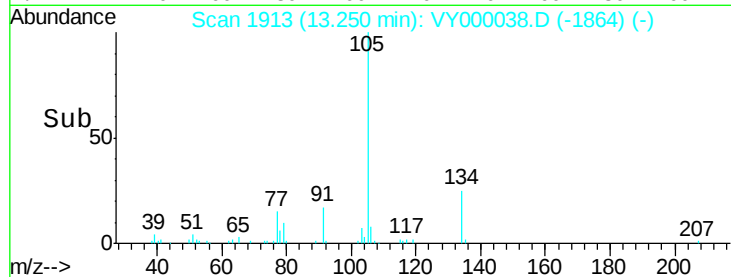
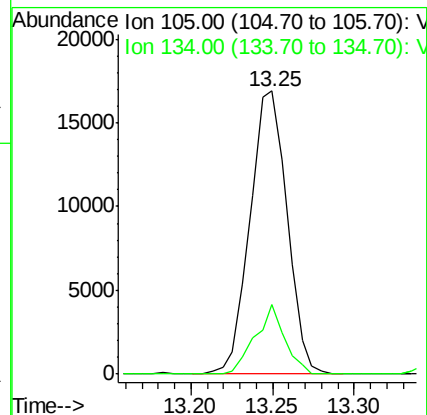
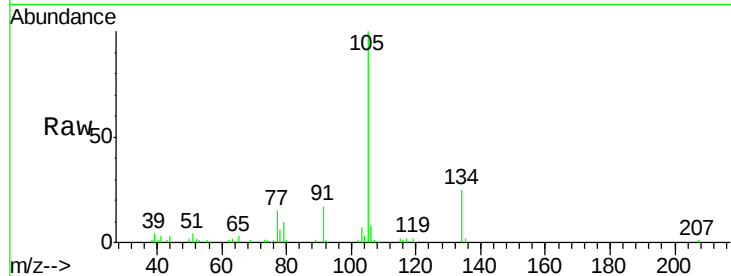
MDL2

Tot Ion:105 Resp: 26844

Ion Ratio Lower Upper

105 100

134 19.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 3.422 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

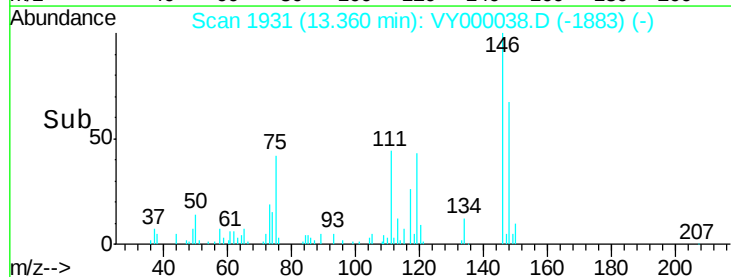
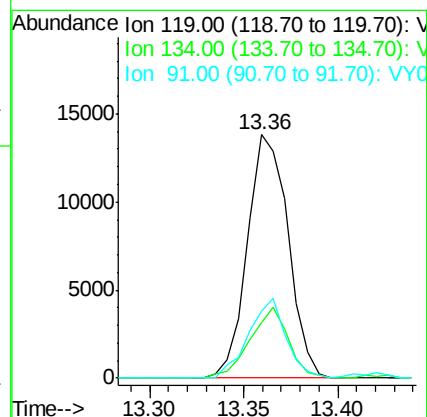
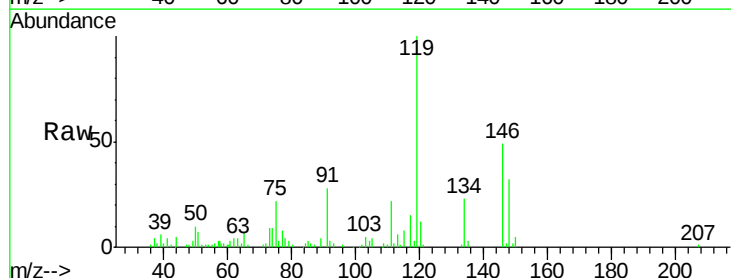
Tgt Ion:119 Resp: 20713

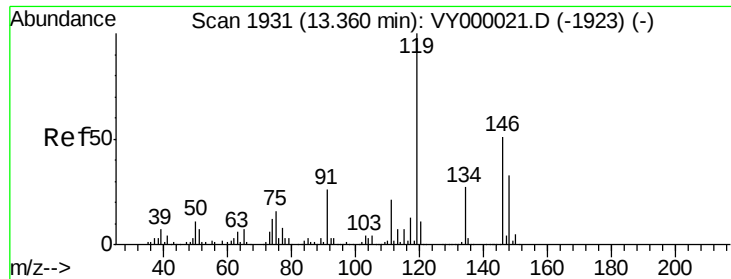
Ion Ratio Lower Upper

119 100

134 27.4 13.8 41.3

91 30.1 12.4 37.2

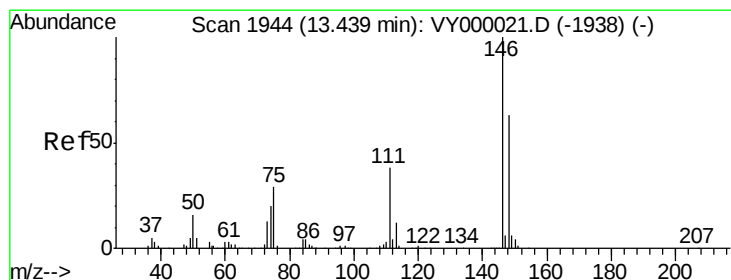
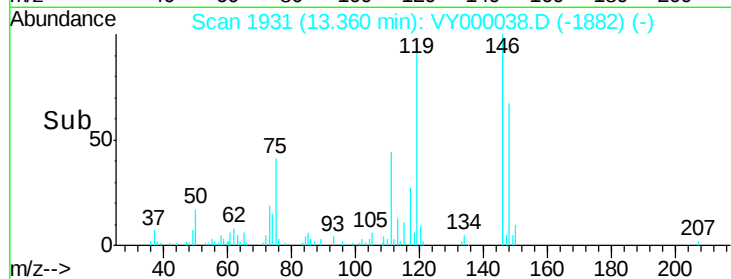
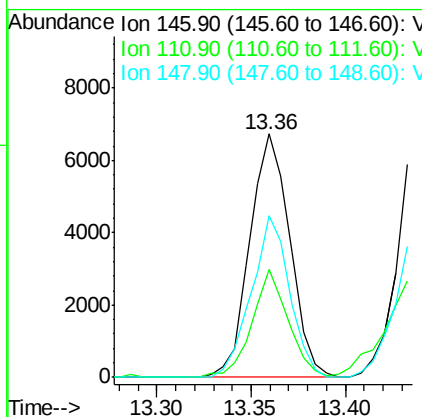
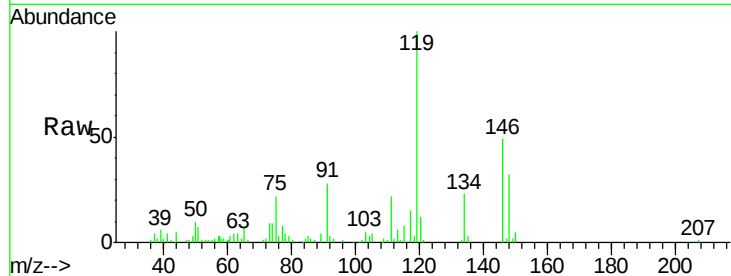




#87
 1,3-Dichlorobenzene
 Concen: 3.463 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

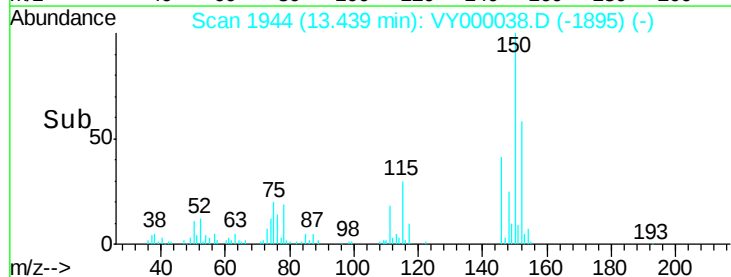
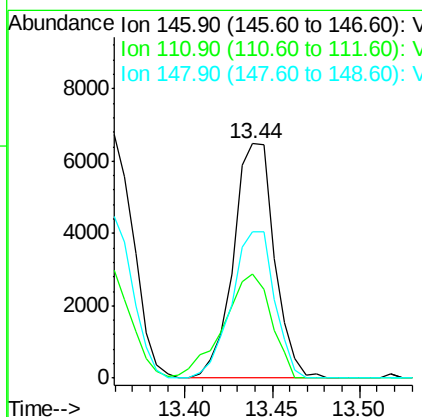
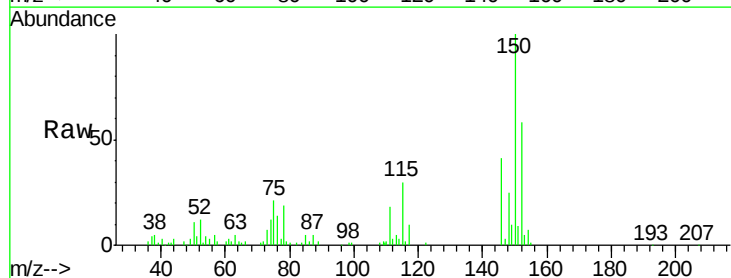
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

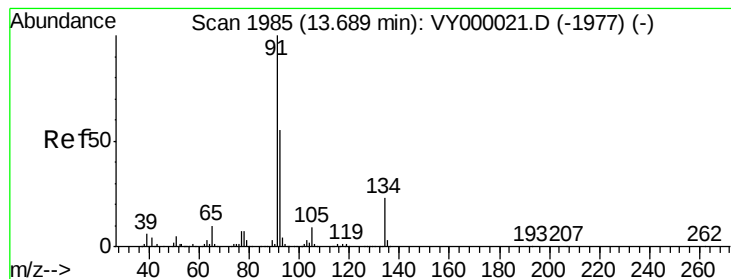
Tot Ion:146 Resp: 9938
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.2 63.6
 148 63.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 3.685 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion:146 Resp: 10641
 Ion Ratio Lower Upper
 146 100
 111 51.6 20.3 60.9
 148 65.1 31.7 95.1





#89

n-Butylbenzene

Concen: 3.449 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

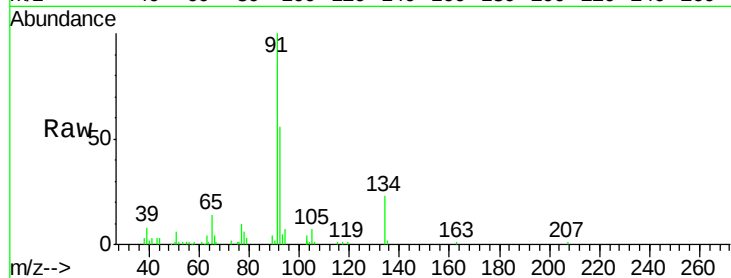
Tot Ion: 91 Resp: 21161

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

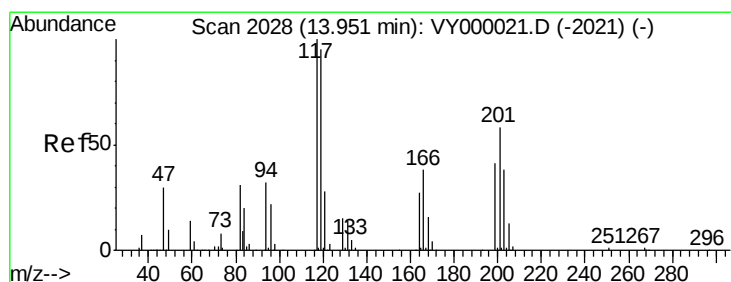
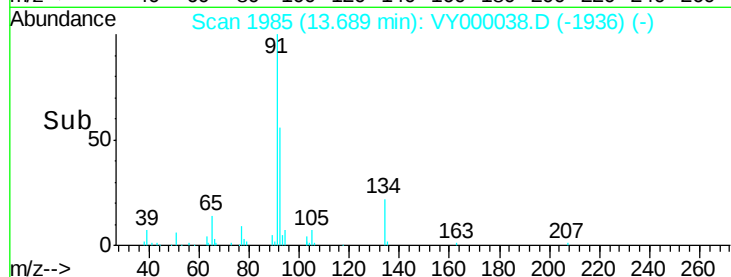
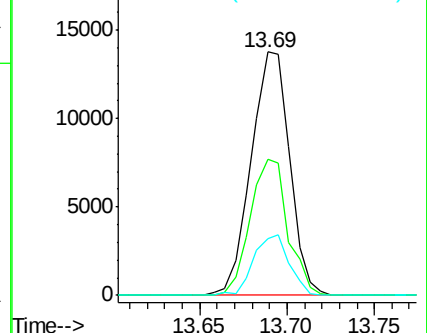
134 22.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VY000021.D (-1977) (-)

Ion 134.00 (133.70 to 134.70): VY000021.D (-1977) (-)



#90

Hexachloroethane

Concen: 3.356 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VY000038.D

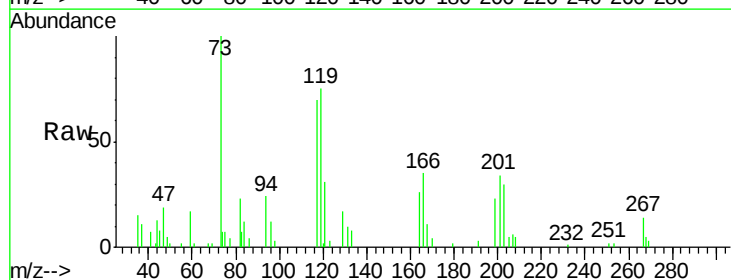
Acq: 13 Sep 2019 11:39

Tgt Ion: 117 Resp: 4060

Ion Ratio Lower Upper

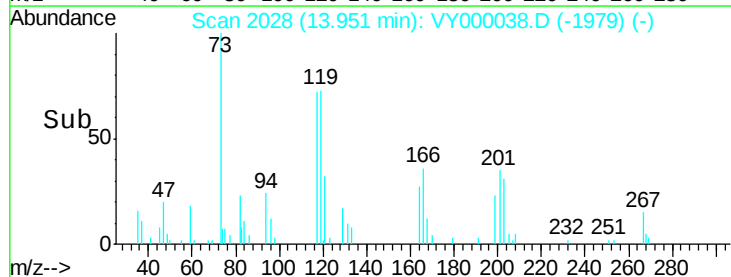
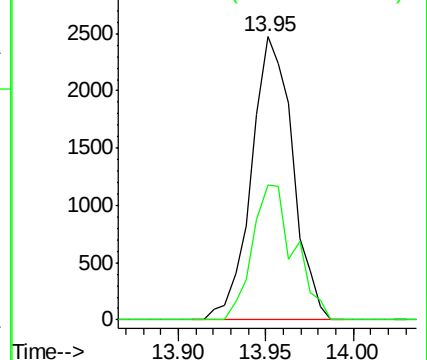
117 100

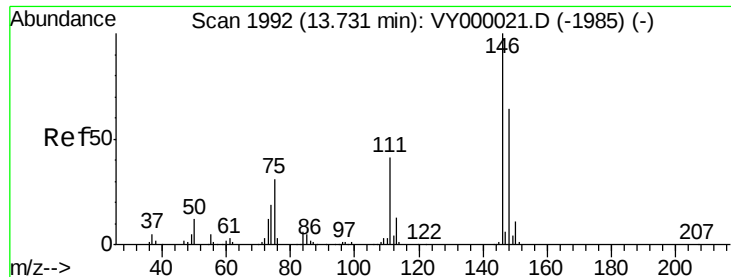
201 48.4 31.4 94.0



Abundance Ion 116.80 (116.50 to 117.50): VY000021.D (-2021) (-)

Ion 200.70 (200.40 to 201.40): VY000021.D (-2021) (-)





#91

1,2-Dichlorobenzene

Concen: 3.548 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. 0.01 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

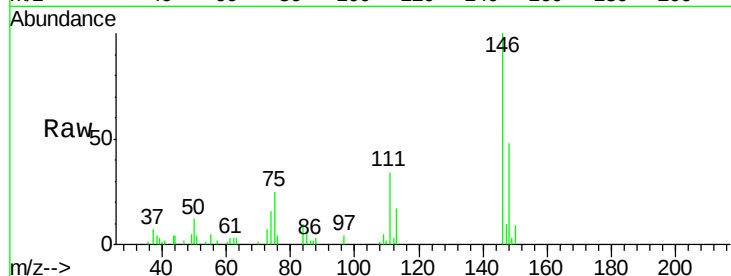
Tot Ion:146 Resp: 9475

Ion Ratio Lower Upper

146 100

111 43.2 21.0 63.0

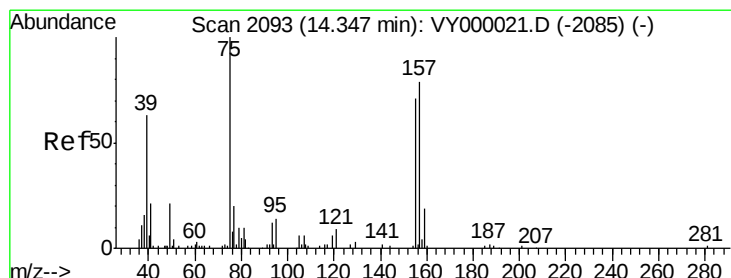
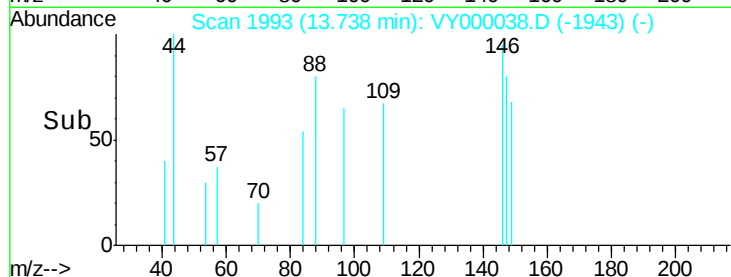
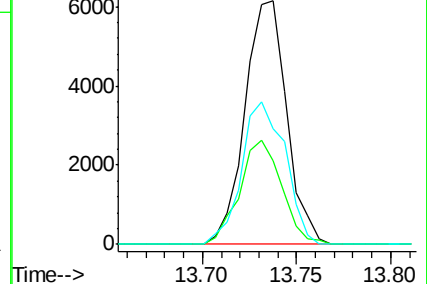
148 61.0 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.526 ug/l

RT: 14.35 min Scan# 2093

Delta R.T. 0.00 min

Lab File: VY000038.D

Acq: 13 Sep 2019 11:39

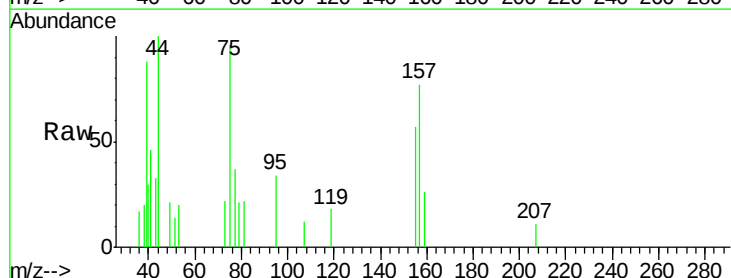
Tgt Ion: 75 Resp: 1105

Ion Ratio Lower Upper

75 100

155 70.4 41.8 125.3

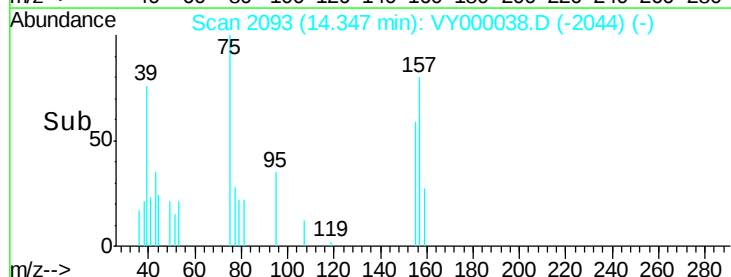
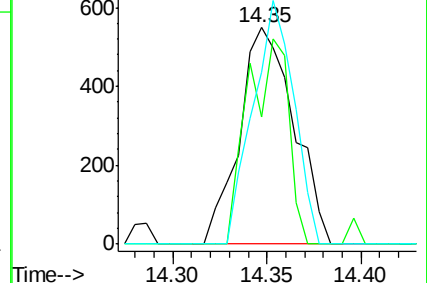
157 83.9 51.3 153.9

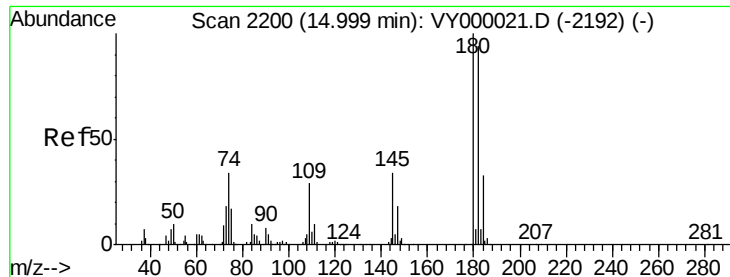


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

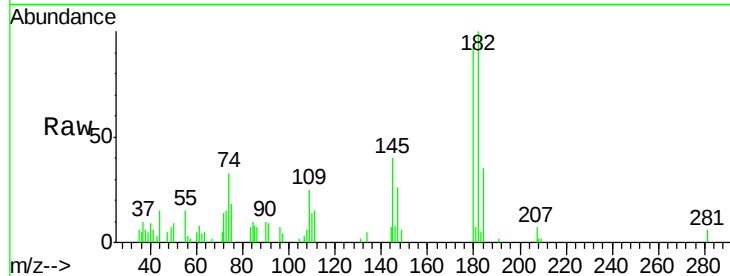




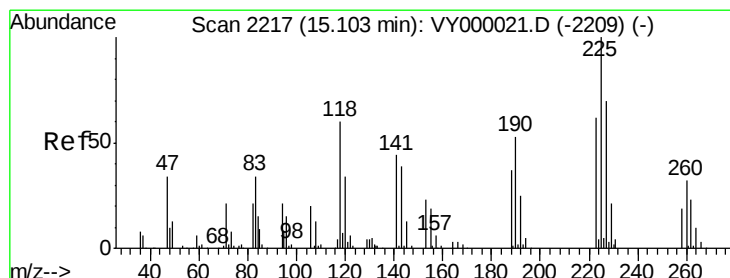
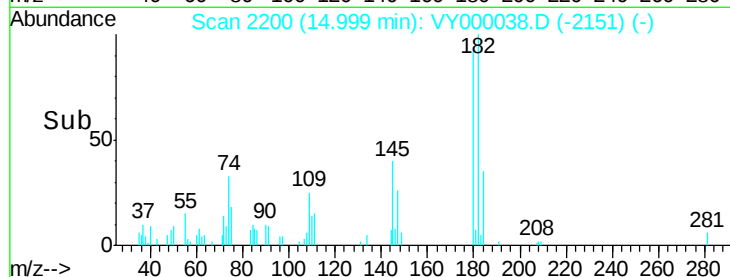
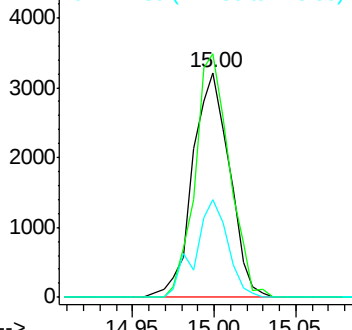
#93
 1,2,4-Trichlorobenzene
 Concen: 2.979 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion:180 Resp: 5076
 Ion Ratio Lower Upper
 180 100
 182 100.9 47.0 141.0
 145 38.9 16.7 50.1

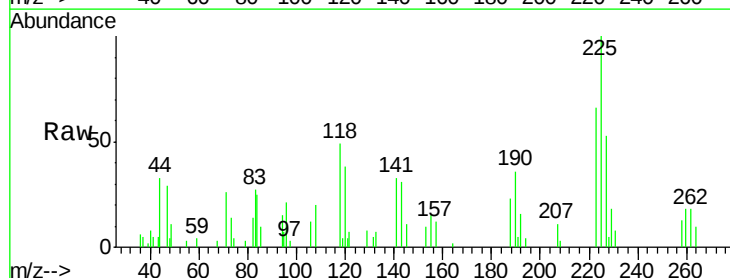


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

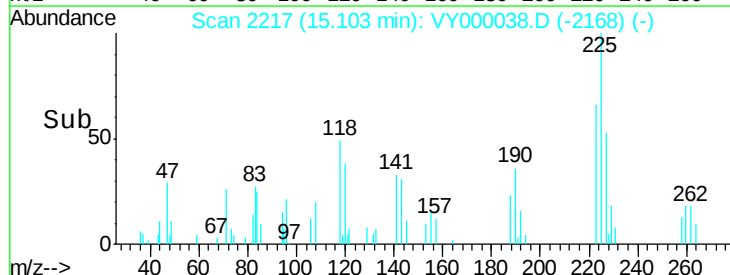
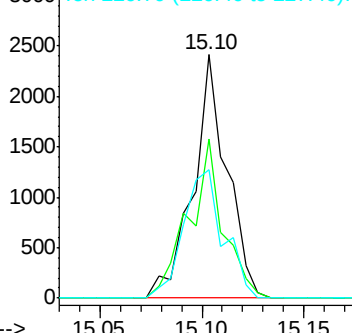


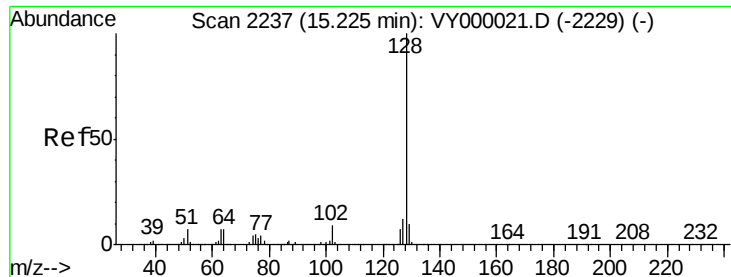
#94
 Hexachlorobutadiene
 Concen: 3.576 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000038.D
 Acq: 13 Sep 2019 11:39

Tgt Ion:225 Resp: 2795
 Ion Ratio Lower Upper
 225 100
 223 66.2 30.9 92.7
 227 61.8 31.0 93.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

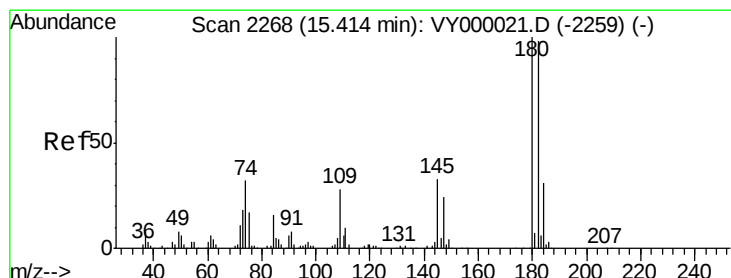
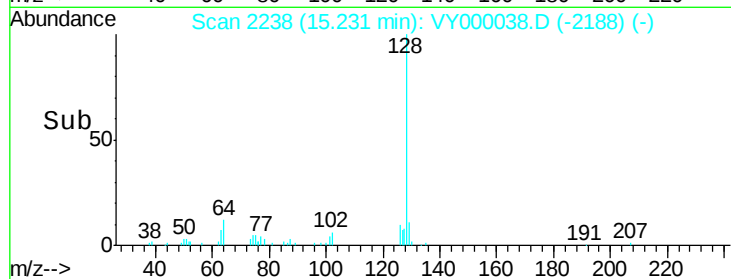
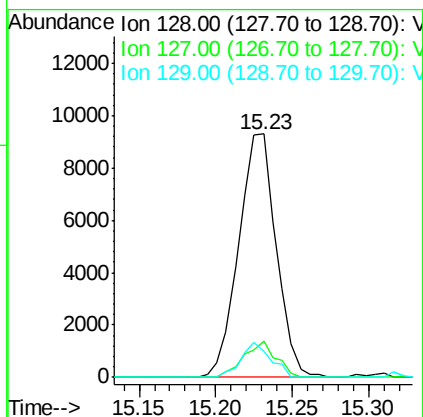
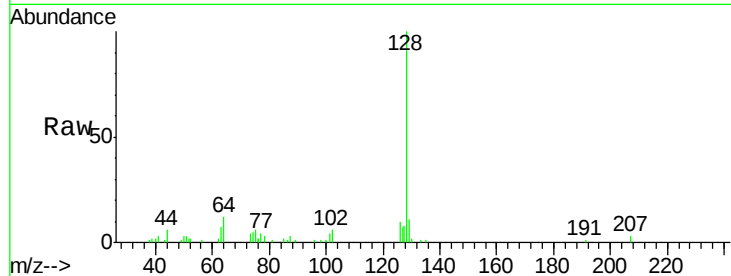




#95
Naphthalene
Concen: 3.398 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion:128 Resp: 15839
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 11.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.581 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VY000038.D
Acq: 13 Sep 2019 11:39

Tgt Ion:180 Resp: 5477
Ion Ratio Lower Upper
180 100
182 103.9 46.8 140.4
145 31.4 17.3 51.7

