

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000065.D
 Acq On : 18 Sep 2019 17:04
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Quant Time: Sep 19 04:18:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	99867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	201130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	174625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	73857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	60924	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
35) Dibromofluoromethane	7.72	113	58963	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.18	98	243765	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.48	95	83450	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	7407	1.103	ug/l	97
4) Vinyl Chloride	2.25	62	5762	5.171	ug/l	98
5) Bromomethane	2.64	94	4774	5.040	ug/l #	64
6) Chloroethane	2.78	64	4108	5.500	ug/l	99
7) Trichlorofluoromethane	3.12	101	7674	4.981	ug/l	94
8) Diethyl Ether	3.53	74	3308	5.014	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	4849	4.587	ug/l	95
10) Methyl Iodide	4.09	142	4421	4.022	ug/l #	95
11) Tert butyl alcohol	4.95	59	1915	14.059	ug/l #	89
12) 1,1-Dichloroethene	3.87	96	4753	4.878	ug/l #	80
13) Acrolein	3.74	56	2150	Below Cal		90
14) Allyl chloride	4.48	41	7166	4.812	ug/l	99
15) Acrylonitrile	5.17	53	8912	22.528	ug/l	99
16) Acetone	3.95	43	7816	29.216	ug/l	89
17) Carbon Disulfide	4.19	76	11197	3.064	ug/l	97
18) Methyl Acetate	4.48	43	4693	5.251	ug/l	98
19) Methyl tert-butyl Ether	5.21	73	14130	4.640	ug/l #	77
20) Methylene Chloride	4.72	84	7921	6.294	ug/l	90
21) trans-1,2-Dichloroethene	5.21	96	5790	5.345	ug/l	87
22) Diisopropyl ether	6.12	45	15352	4.562	ug/l	91
23) Vinyl Acetate	6.07	43	49622	22.034	ug/l	96
24) 1,1-Dichloroethane	6.03	63	9192	4.615	ug/l	98
25) 2-Butanone	6.99	43	11625	23.991	ug/l	99
26) 2,2-Dichloropropane	6.99	77	10515	5.595	ug/l	86
27) cis-1,2-Dichloroethene	6.98	96	3074	2.241	ug/l #	1
28) Bromochloromethane	7.34	49	4751	5.146	ug/l #	89
29) Tetrahydrofuran	7.36	42	6724	23.116	ug/l	97
30) Chloroform	7.51	83	10871	5.289	ug/l	88
31) Cyclohexane	7.78	56	10122	2.910	ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	7479	4.480	ug/l	93
36) 1,1-Dichloropropene	7.92	75	7696	5.117	ug/l	92
37) Ethyl Acetate	7.08	43	4916	4.904	ug/l #	68
38) Carbon Tetrachloride	7.90	117	6582	4.637	ug/l	93
39) Methylcyclohexane	9.19	83	9084	4.912	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.16	78	23301	4.691	ug/l	93
41) Methacrylonitrile	7.31	41	2184	6.880	ug/l #	66
42) 1,2-Dichloroethane	8.24	62	5909	4.491	ug/l	99
43) Isopropyl Acetate	8.27	43	8863	4.521	ug/l	94
44) Trichloroethene	8.94	130	5960	4.697	ug/l	90
45) 1,2-Dichloropropane	9.22	63	5471	4.252	ug/l	92
46) Dibromomethane	9.31	93	3093	4.401	ug/l	94
47) Bromodichloromethane	9.49	83	7120	4.175	ug/l #	94
48) Methyl methacrylate	9.29	41	3695	4.285	ug/l	96
49) 1,4-Dioxane	9.29	88	1336	97.906	ug/l	86
51) 4-Methyl-2-Pentanone	10.07	43	23916	22.343	ug/l	94
52) Toluene	10.24	92	15079	4.778	ug/l	91
53) t-1,3-Dichloropropene	10.46	75	7483	4.138	ug/l	90
54) cis-1,3-Dichloropropene	9.93	75	8433	4.038	ug/l #	93
55) 1,1,2-Trichloroethane	10.65	97	5205	4.724	ug/l #	83
56) Ethyl methacrylate	10.51	69	6827	4.354	ug/l	92
57) 1,3-Dichloropropane	10.79	76	8108	4.380	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	20641	24.353	ug/l	97
59) 2-Hexanone	10.84	43	15657	20.503	ug/l	96
60) Dibromochloromethane	10.98	129	5110	4.427	ug/l	92
61) 1,2-Dibromoethane	11.09	107	4797	4.766	ug/l	88
64) Tetrachloroethene	10.73	164	4810	4.389	ug/l #	79
65) Chlorobenzene	11.51	112	15395	4.457	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	4628	3.963	ug/l	95
67) Ethyl Benzene	11.59	91	27261	4.422	ug/l	99
68) m/p-Xylenes	11.70	106	20919	8.918	ug/l	96
69) o-Xylene	12.02	106	9766	4.300	ug/l	97
70) Stvrene	12.04	104	17023	4.270	ug/l	98
71) Bromoform	12.21	173	2946	4.357	ug/l #	88
73) Isopropylbenzene	12.33	105	26763	4.496	ug/l	98
74) N-amyl acetate	12.14	43	7342	4.330	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	6548	4.673	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	8687	8.360	ug/l #	100
77) Bromobenzene	12.61	156	5541	4.458	ug/l	93
78) n-propylbenzene	12.67	91	32790	4.516	ug/l	99
79) 2-Chlorotoluene	12.75	91	18538	4.567	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	22119	4.486	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	2130	3.942	ug/l #	88
82) 4-Chlorotoluene	12.85	91	18978	4.522	ug/l	100
83) tert-Butylbenzene	13.07	119	19498	4.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	22965	4.724	ug/l	96
85) sec-Butylbenzene	13.25	105	28441	4.564	ug/l	99
86) p-Isopropyltoluene	13.37	119	23388	4.427	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	11395	4.622	ug/l	95
88) 1,4-Dichlorobenzene	13.44	146	10943	4.417	ug/l	88
89) n-Butylbenzene	13.69	91	24969	4.594	ug/l	97
90) Hexachloroethane	13.96	117	4548	4.381	ug/l	81
91) 1,2-Dichlorobenzene	13.73	146	9719	4.196	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1108	4.441	ug/l	94
93) 1,2,4-Trichlorobenzene	15.01	180	6881	4.923	ug/l	93

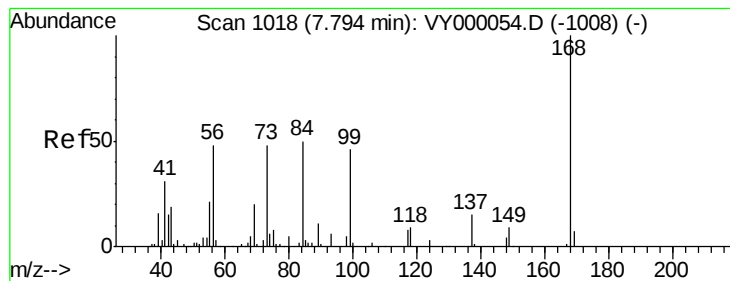
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.11	225	2587	3.855	ug/l	83
95) Naphthalene	15.23	128	17135	4.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	5928	4.444	ug/l	95

(#) = 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: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

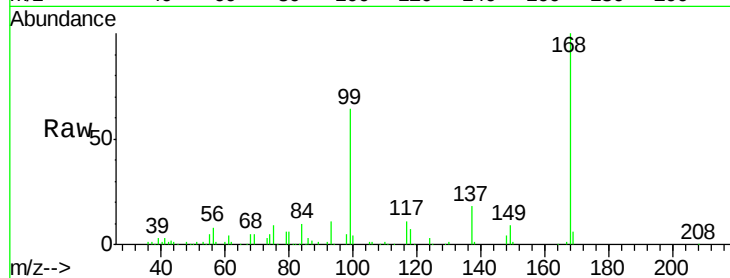
MDL1

Tot Ion:168 Resp: 99867

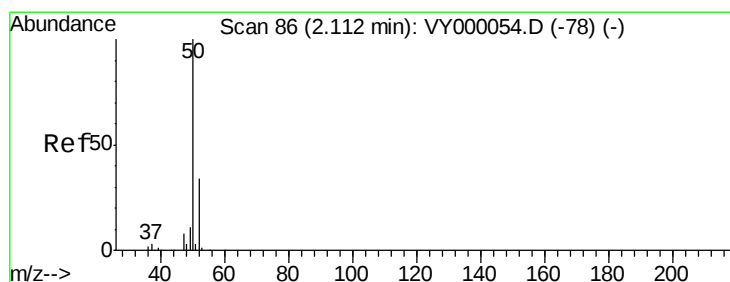
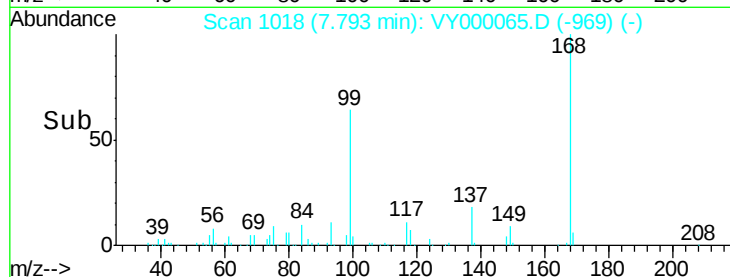
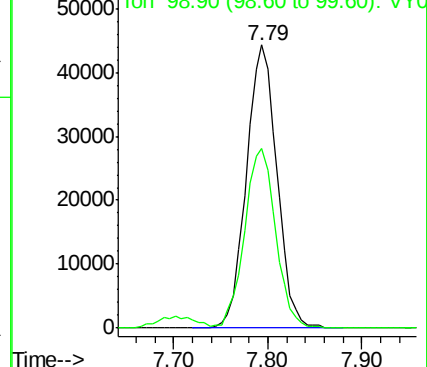
Ion Ratio Lower Upper

168 100

99 63.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)



#3

Chloromethane

Concen: 1.103 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000065.D

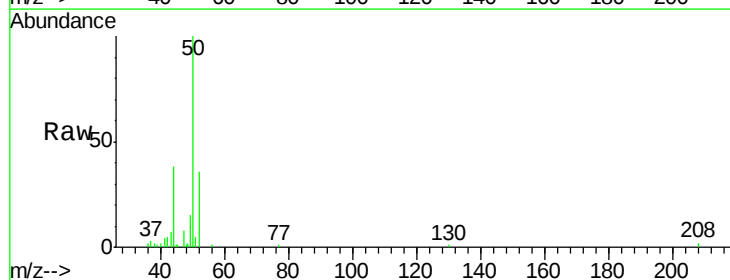
Acq: 18 Sep 2019 17:04

Tgt Ion: 50 Resp: 7407

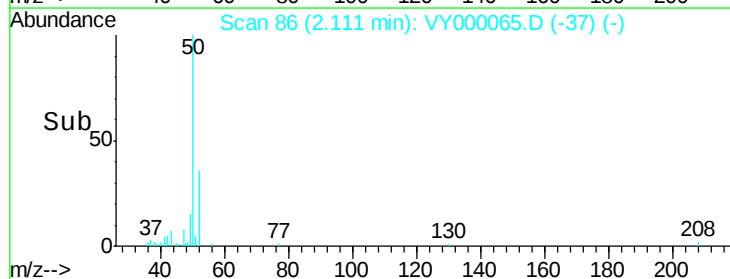
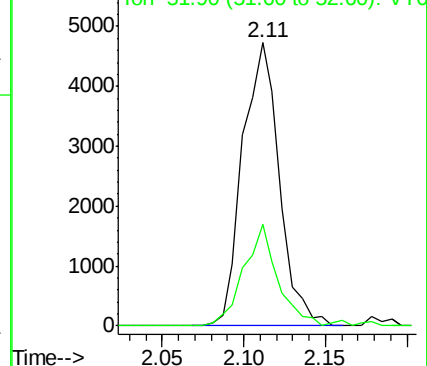
Ion Ratio Lower Upper

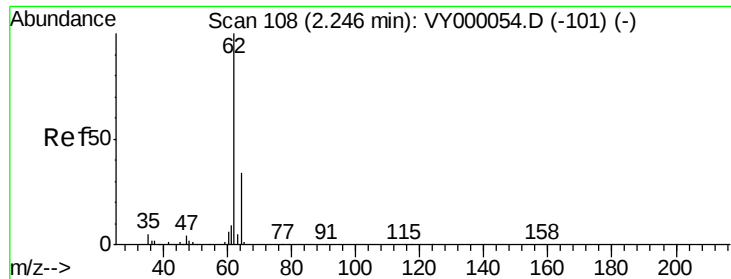
50 100

52 35.8 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY000054.D (-78) (-)





#4

Vinyl Chloride

Concen: 5.171 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

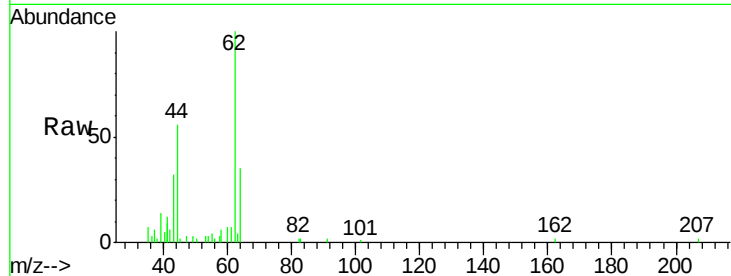
MDL1

Tot Ion: 62 Resp: 5762

Ion Ratio Lower Upper

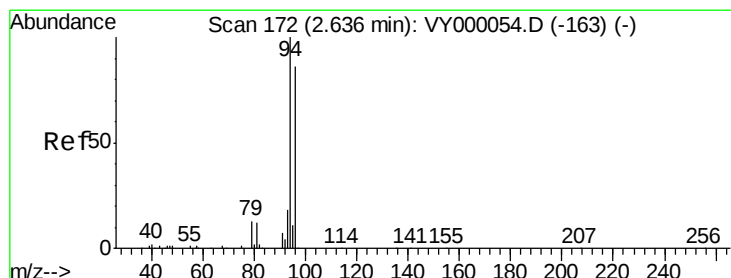
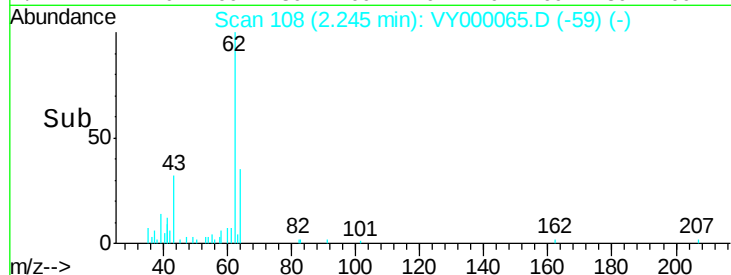
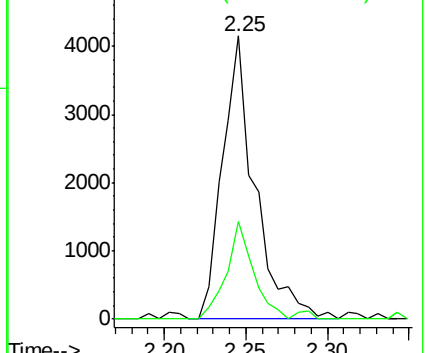
62 100

64 34.5 26.9 40.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0



#5

Bromomethane

Concen: 5.040 ug/l

RT: 2.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000065.D

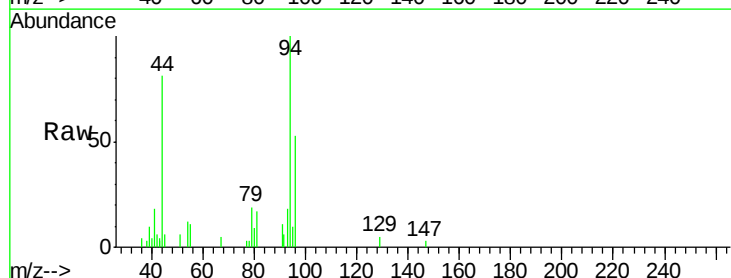
Acq: 18 Sep 2019 17:04

Tgt Ion: 94 Resp: 4774

Ion Ratio Lower Upper

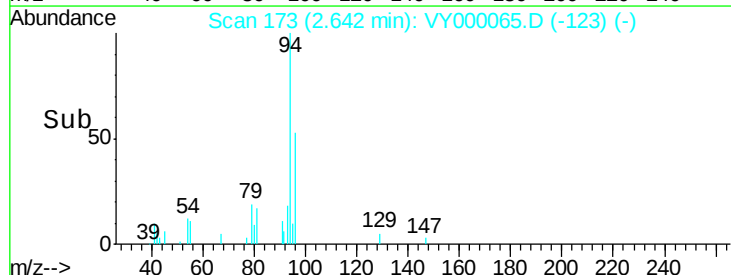
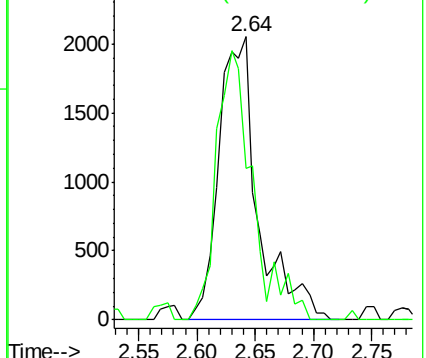
94 100

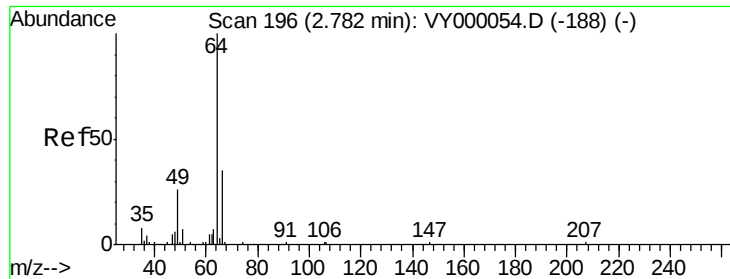
96 53.3 69.1 103.7#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0





#6

Chloroethane

Concen: 5.500 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

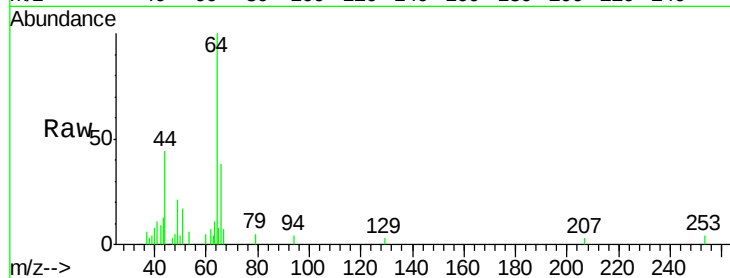
MDL1

Tot Ion: 64 Resp: 4108

Ion Ratio Lower Upper

64 100

66 34.1 27.7 41.5

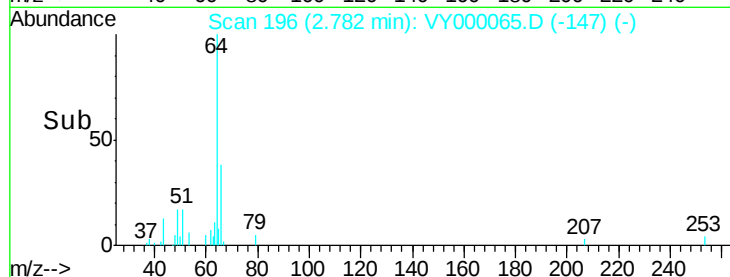


Abundance Ion 63.90 (63.60 to 64.60): VY000065.D (-188) (-)

Ion 65.90 (65.60 to 66.60): VY000065.D (-188) (-)

2.78

Time-->



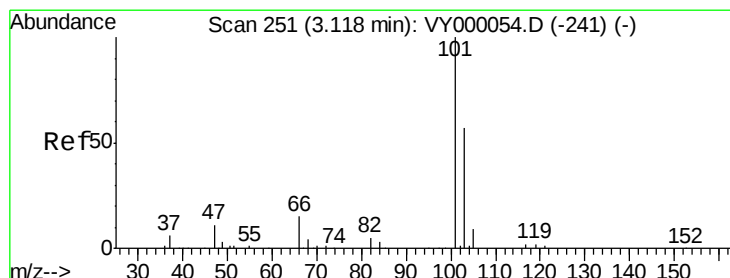
Abundance

Ion 63.90 (63.60 to 64.60): VY000065.D (-147) (-)

Ion 65.90 (65.60 to 66.60): VY000065.D (-147) (-)

2.78

Time-->



#7

Trichlorofluoromethane

Concen: 4.981 ug/l

RT: 3.12 min Scan# 252

Delta R.T. 0.01 min

Lab File: VY000065.D

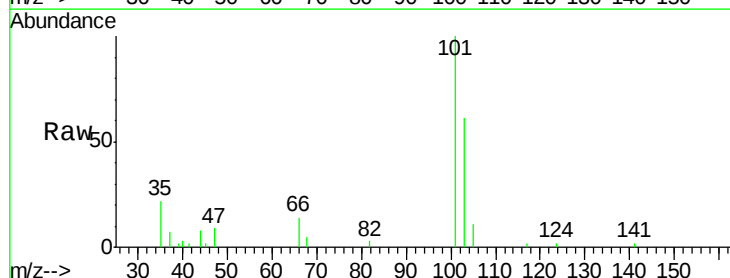
Acq: 18 Sep 2019 17:04

Tgt Ion: 101 Resp: 7674

Ion Ratio Lower Upper

101 100

103 61.3 45.7 68.5

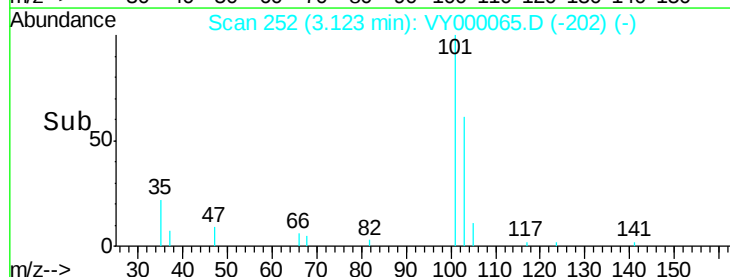


Abundance Ion 100.90 (100.60 to 101.60): VY000065.D (-241) (-)

Ion 102.80 (102.50 to 103.50): VY000065.D (-241) (-)

3.12

Time-->



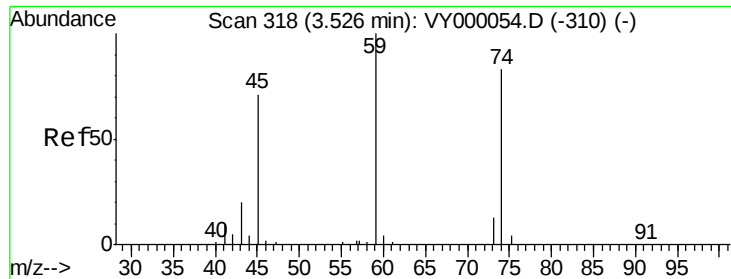
Abundance

Ion 100.90 (100.60 to 101.60): VY000065.D (-202) (-)

Ion 102.80 (102.50 to 103.50): VY000065.D (-202) (-)

3.12

Time-->



#8

Diethyl Ether

Concen: 5.014 ug/l

RT: 3.53 min Scan# 319

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

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ClientSampleId :

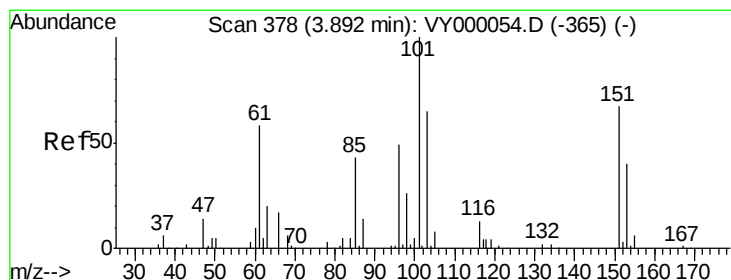
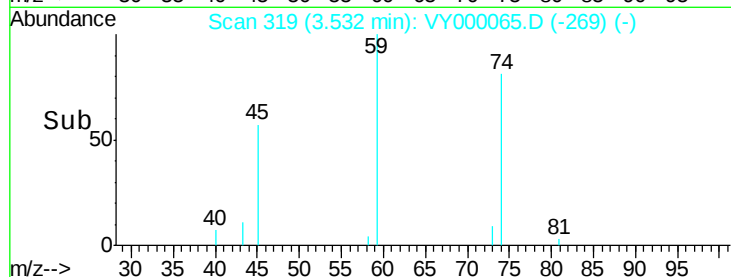
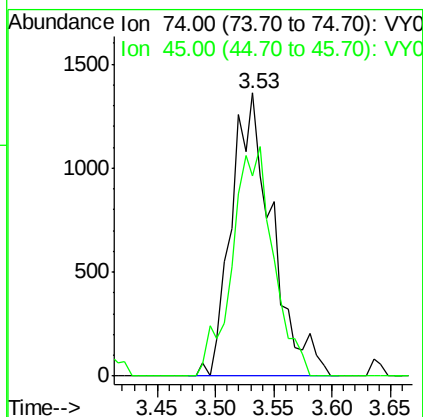
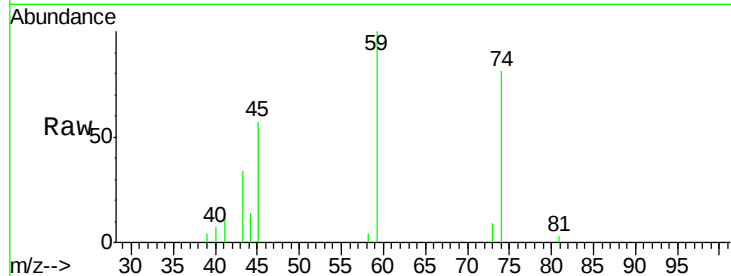
MDL1

Tot Ion: 74 Resp: 3308

Ion Ratio Lower Upper

74 100

45 82.0 40.6 122.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.587 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

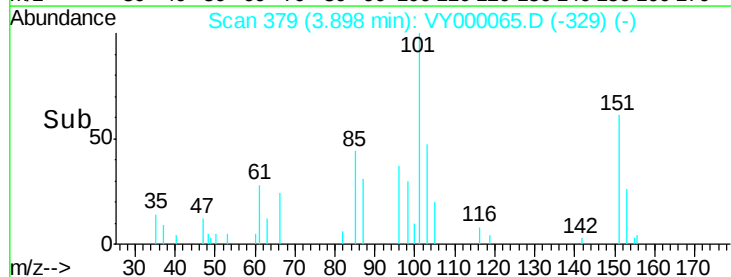
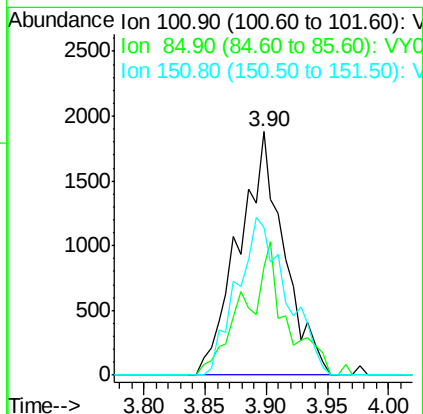
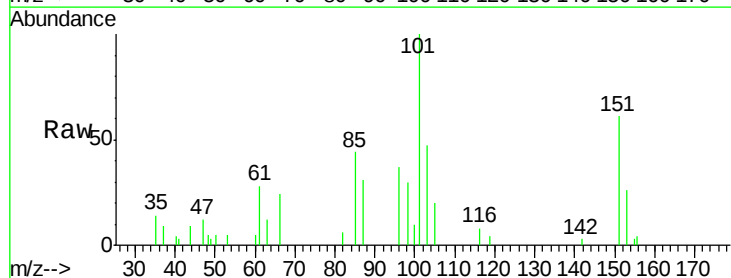
Tgt Ion: 101 Resp: 4849

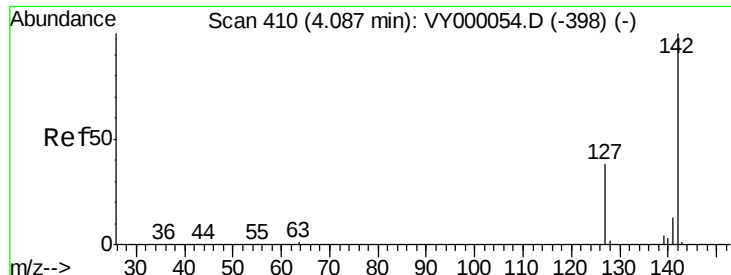
Ion Ratio Lower Upper

101 100

85 50.4 36.8 55.2

151 70.9 54.4 81.6

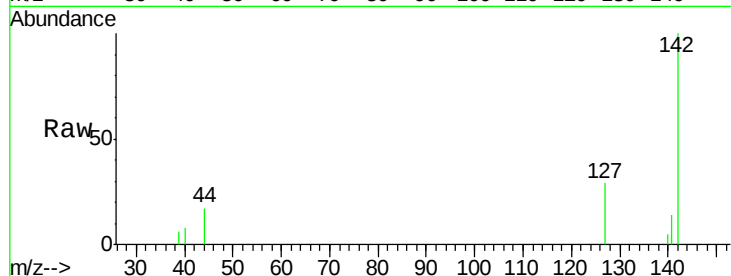




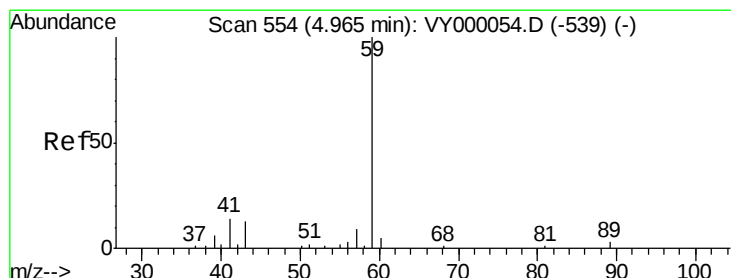
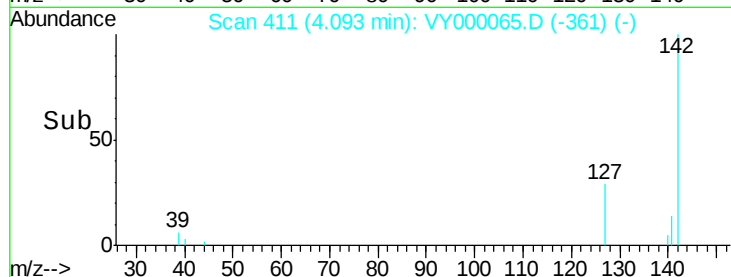
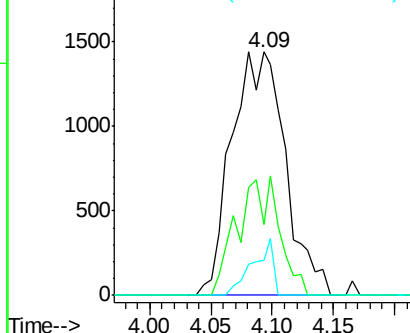
#10
Methvl Iodide
Concen: 4.022 ug/l
RT: 4.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion:142 Resp: 4421
Ion Ratio Lower Upper
142 100
127 37.6 31.6 47.4
141 8.9 10.9 16.3#

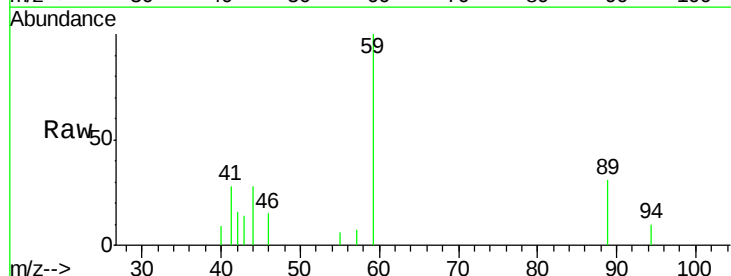


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

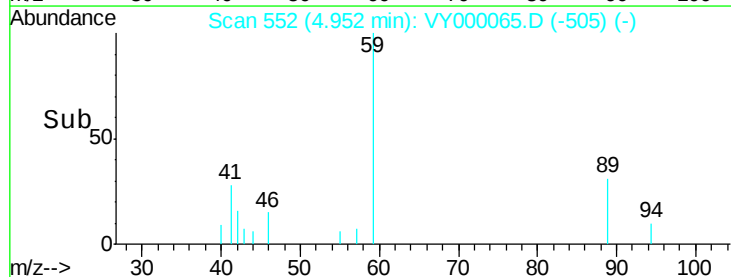
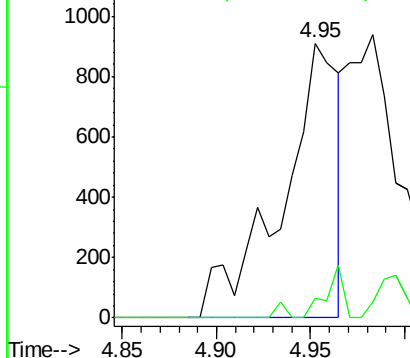


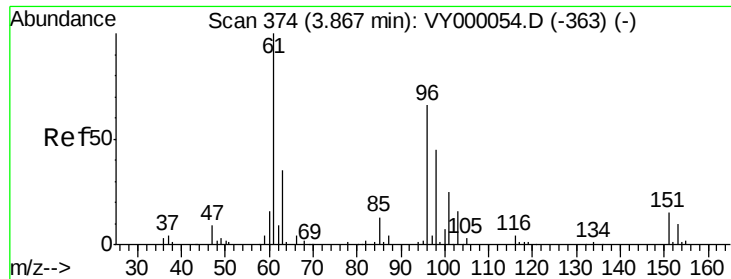
#11
Tert butyl alcohol
Concen: 14.059 ug/l
RT: 4.95 min Scan# 552
Delta R.T. -0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 59 Resp: 1915
Ion Ratio Lower Upper
59 100
57 5.7 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#12

1,1-Dichloroethene

Concen: 4.878 ug/l

RT: 3.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

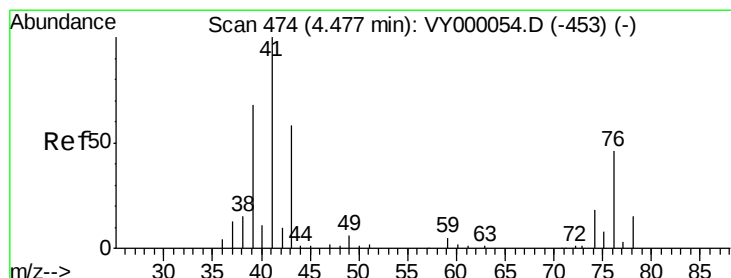
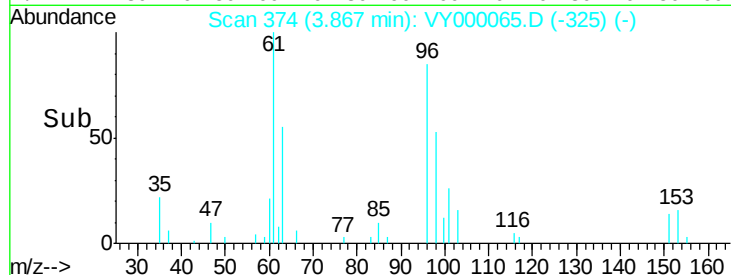
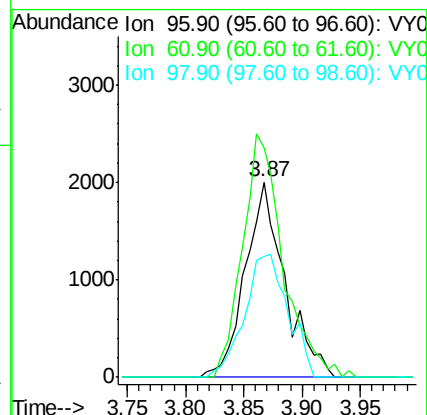
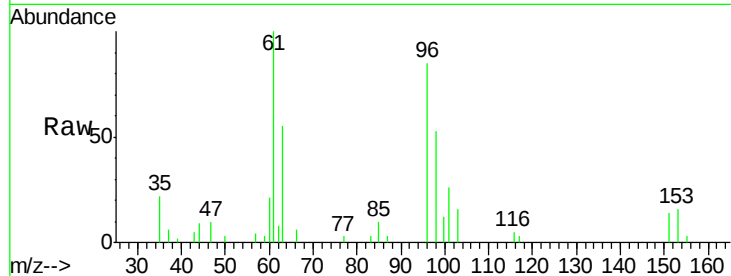
Tot Ion: 96 Resp: 4753

Ion Ratio Lower Upper

96 100

61 117.2 120.4 180.6#

98 61.7 54.1 81.1



#14

Allyl chloride

Concen: 4.812 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

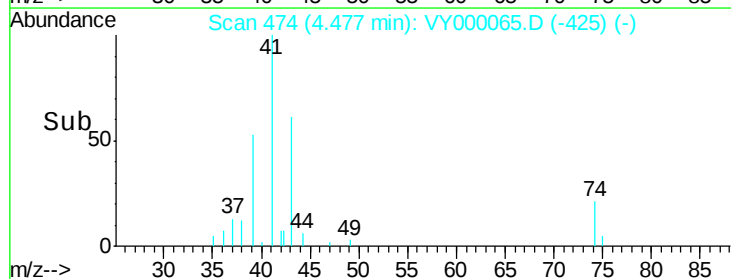
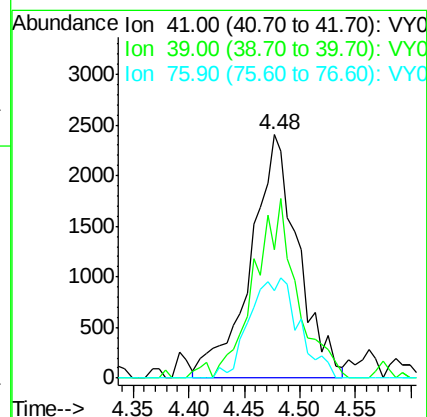
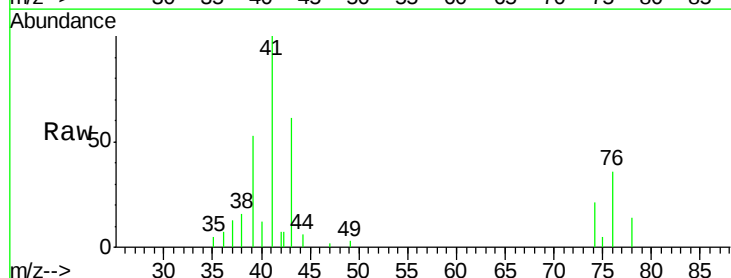
Tgt Ion: 41 Resp: 7166

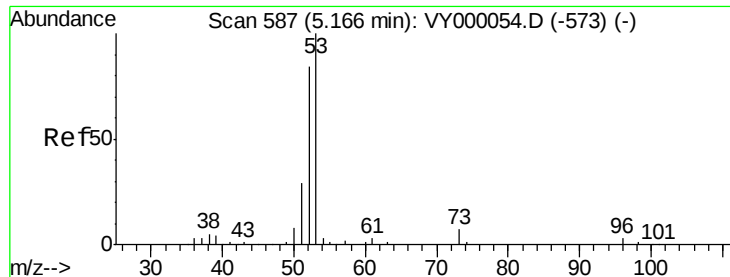
Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

76 42.6 35.5 53.3





#15

Acrylonitrile

Concen: 22.528 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

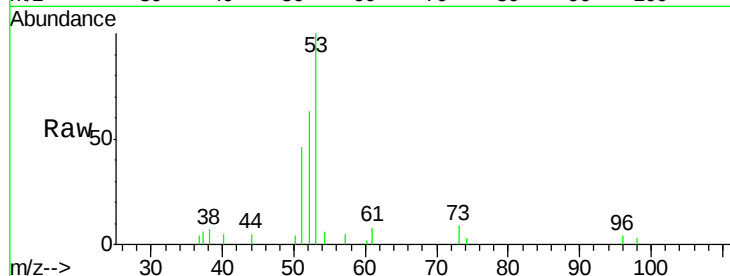
Tot Ion: 53 Resp: 8912

Ion Ratio Lower Upper

53 100

52 81.0 64.7 97.1

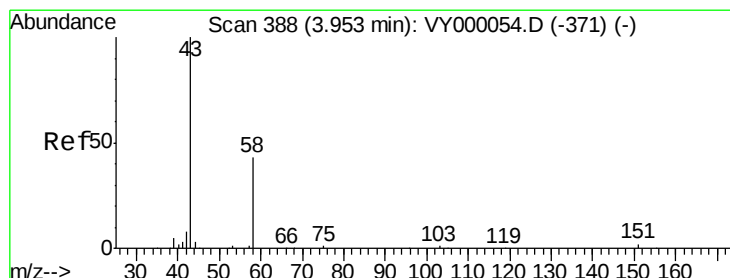
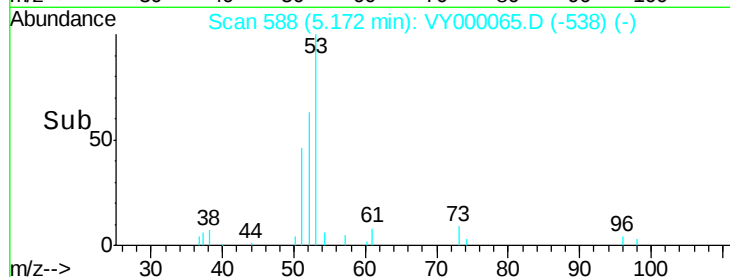
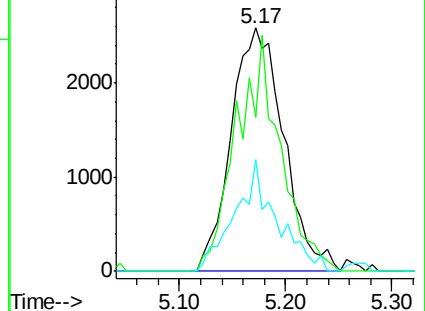
51 36.0 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY000054.D (-573) (-)

Ion 52.00 (51.70 to 52.70): VY000054.D (-573) (-)

Ion 51.00 (50.70 to 51.70): VY000054.D (-573) (-)



#16

Acetone

Concen: 29.216 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000065.D

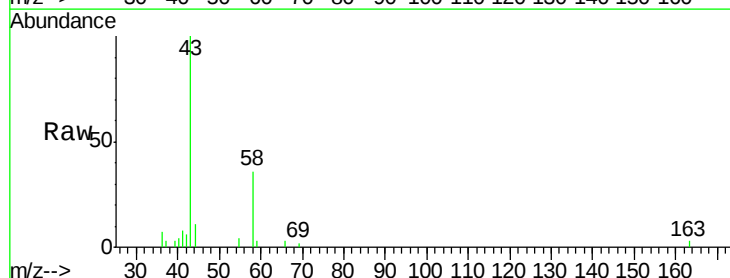
Acq: 18 Sep 2019 17:04

Tgt Ion: 43 Resp: 7816

Ion Ratio Lower Upper

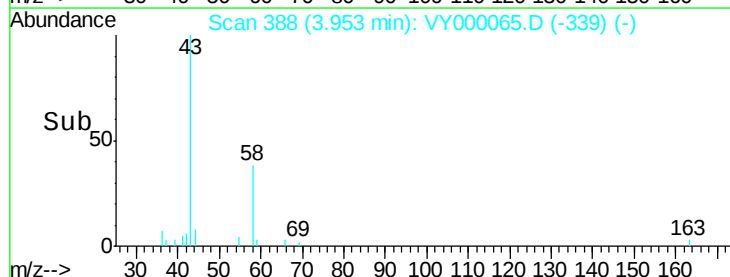
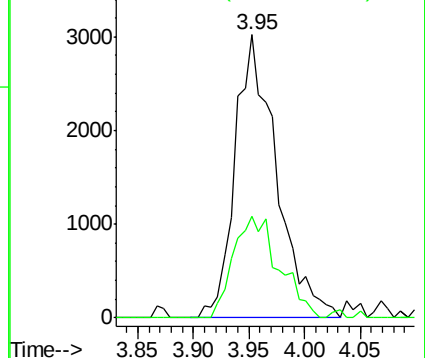
43 100

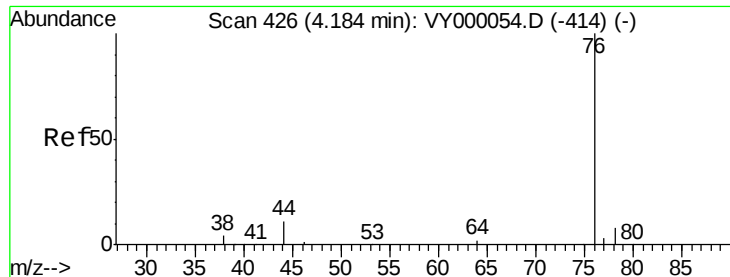
58 36.1 34.5 51.7



Abundance Ion 43.00 (42.70 to 43.70): VY000054.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VY000054.D (-371) (-)





#17

Carbon Disulfide

Concen: 3.064 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

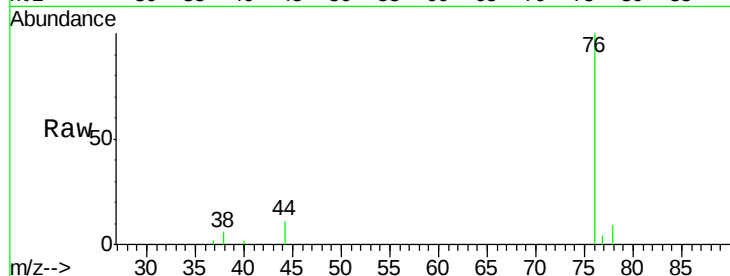
MDL1

Tot Ion: 76 Resp: 11197

Ion Ratio Lower Upper

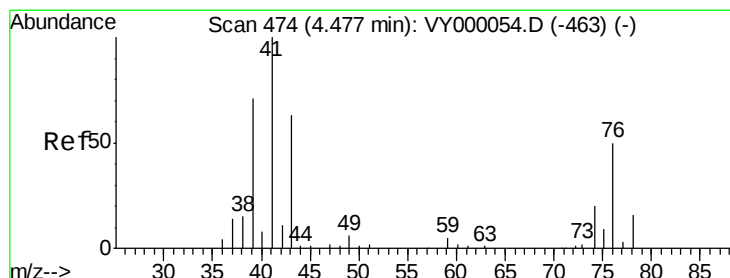
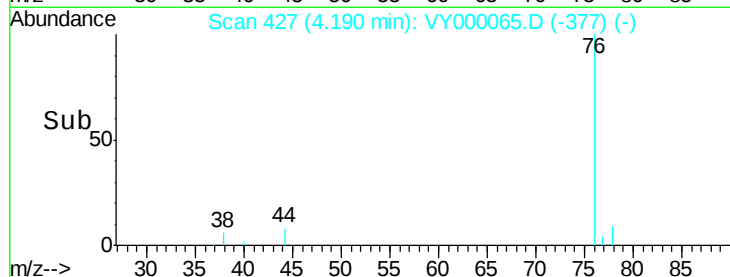
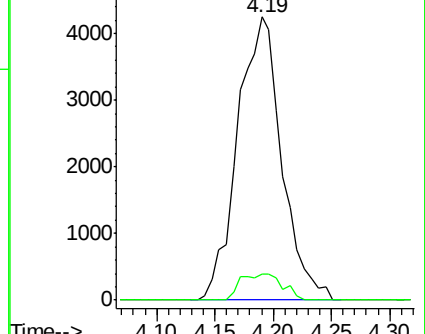
76 100

78 9.4 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 5.251 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000065.D

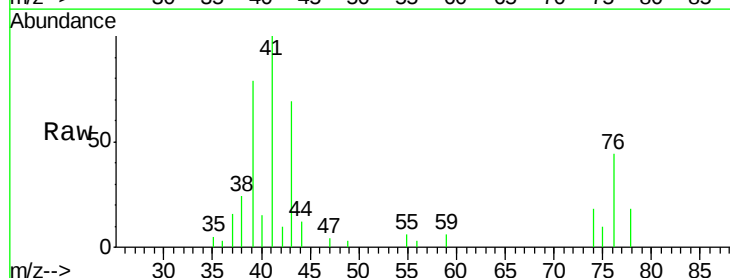
Acq: 18 Sep 2019 17:04

Tgt Ion: 43 Resp: 4693

Ion Ratio Lower Upper

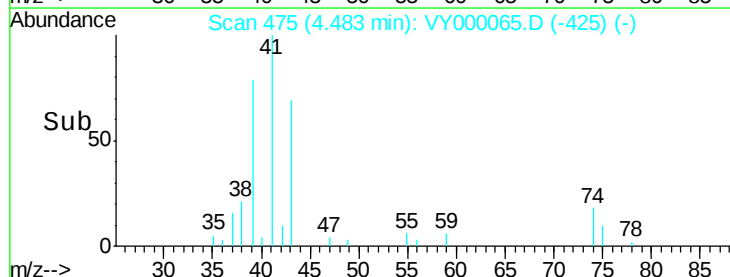
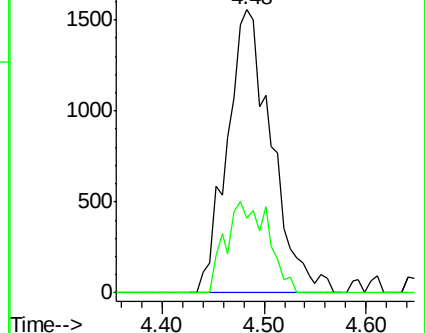
43 100

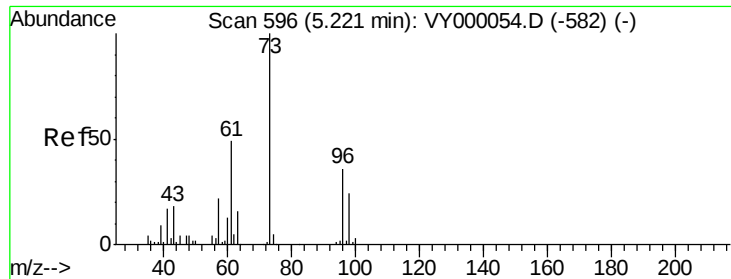
74 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

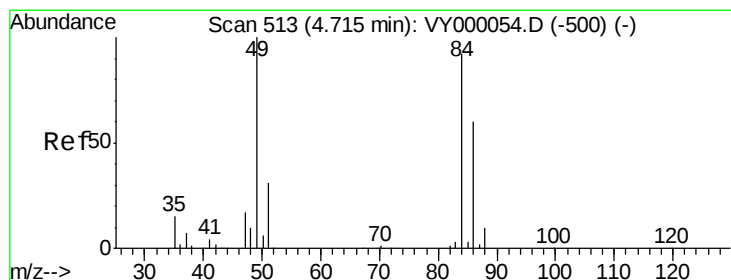
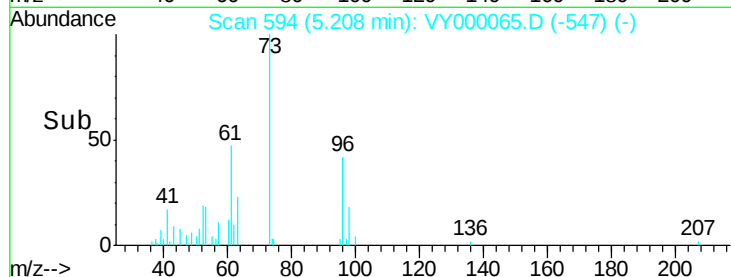
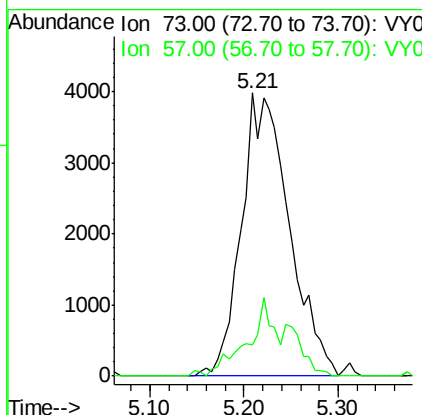
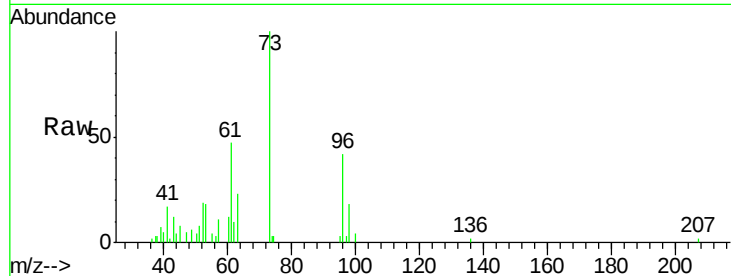




#19
Methyl tert-butyl Ether
Concen: 4.640 ug/l
RT: 5.21 min Scan# 594
Delta R.T. -0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

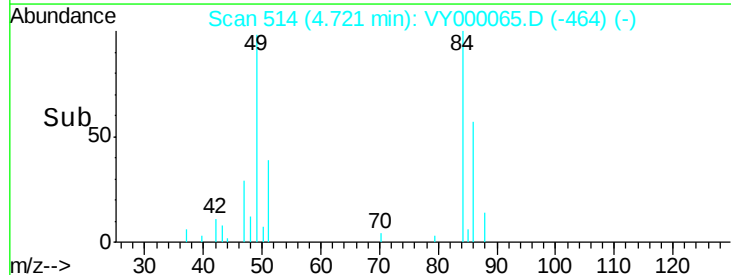
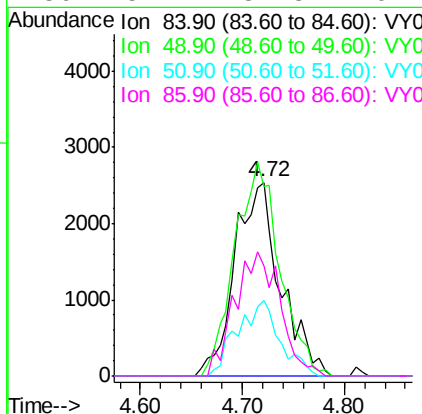
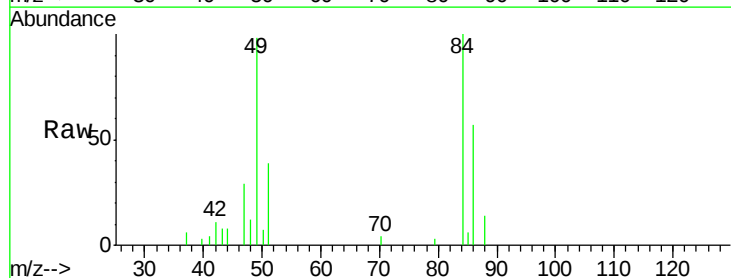
Instrument :
MSVOA_Y
ClientSampled :
MDL1

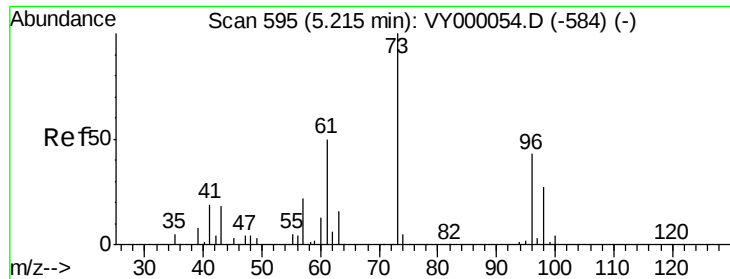
Tot Ion: 73 Resp: 14130
Ion Ratio Lower Upper
73 100
57 10.9 17.5 26.3#



#20
Methylene Chloride
Concen: 6.294 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 84 Resp: 7921
Ion Ratio Lower Upper
84 100
49 98.1 87.4 131.0
51 38.9 27.2 40.8
86 57.2 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 5.345 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

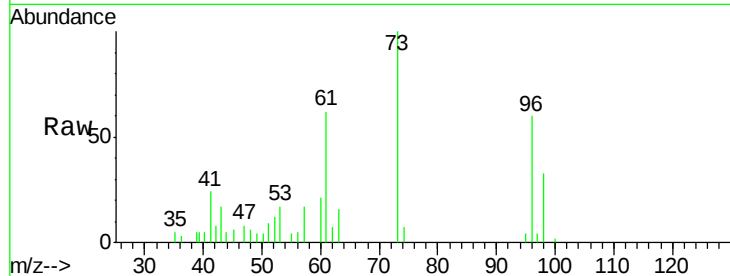
Tot Ion: 96 Resp: 5790

Ion Ratio Lower Upper

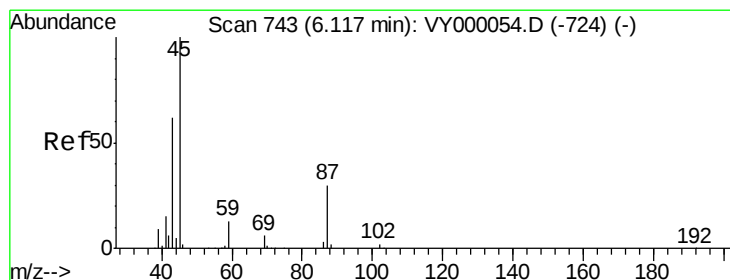
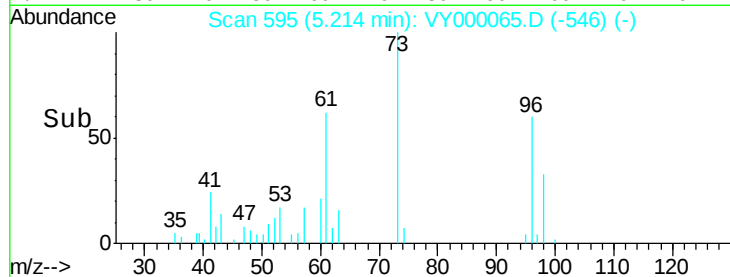
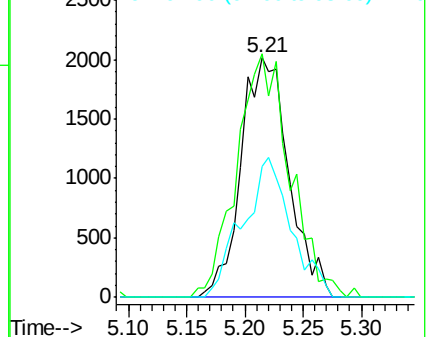
96 100

61 101.7 94.0 141.0

98 54.7 50.3 75.5



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



#22

Diisopropyl ether

Concen: 4.562 ug/l

RT: 6.12 min Scan# 744

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Tgt Ion: 45 Resp: 15352

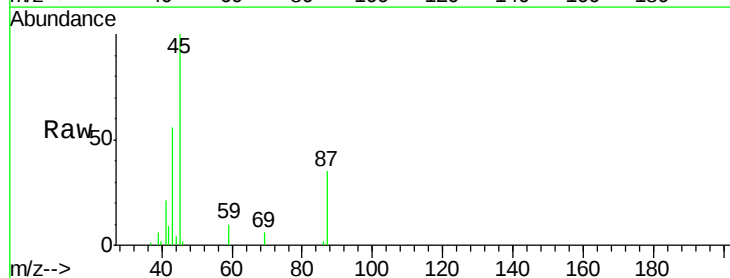
Ion Ratio Lower Upper

45 100

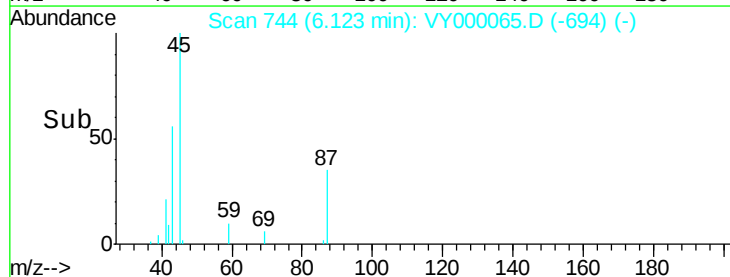
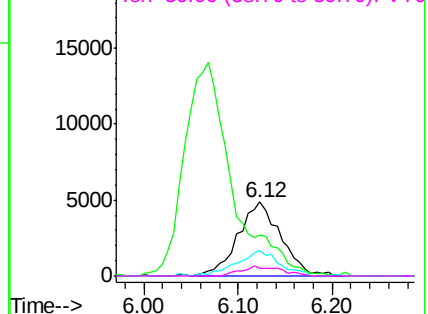
43 54.0 49.9 74.9

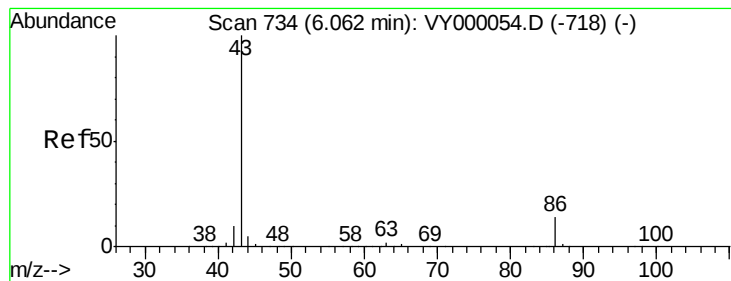
87 35.1 25.0 37.4

59 10.4 10.4 15.6



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: 22.034 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

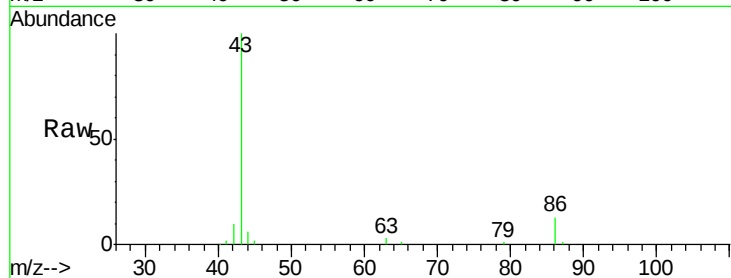
MDL1

Tot Ion: 43 Resp: 49622

Ion Ratio Lower Upper

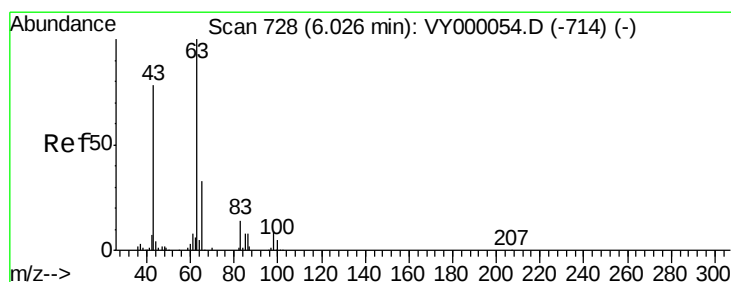
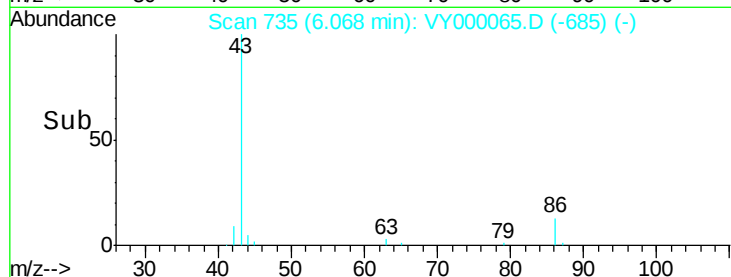
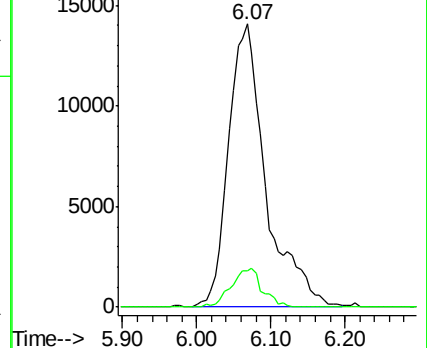
43 100

86 12.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 4.615 ug/l

RT: 6.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

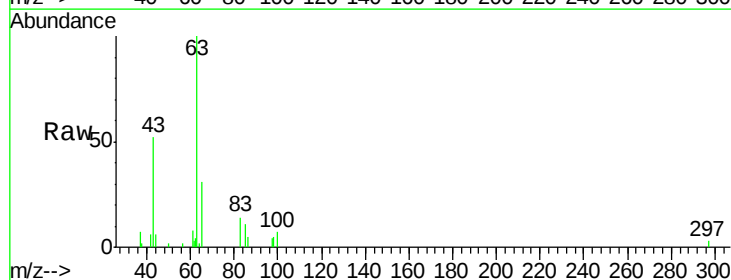
Tgt Ion: 63 Resp: 9192

Ion Ratio Lower Upper

63 100

98 8.9 4.5 13.5

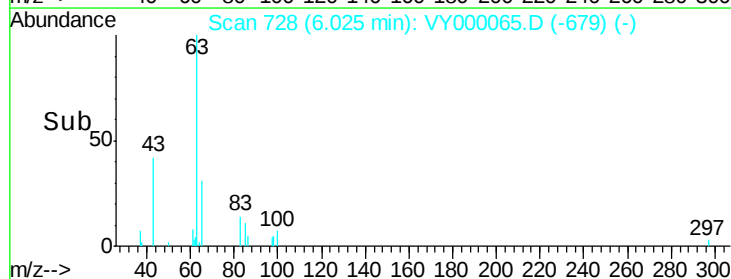
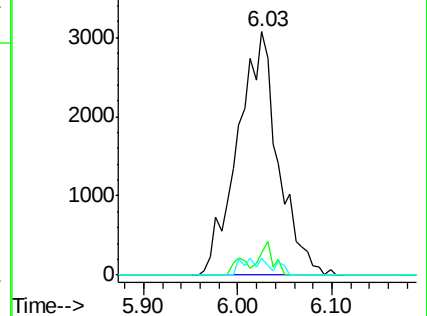
100 6.9 2.5 7.5

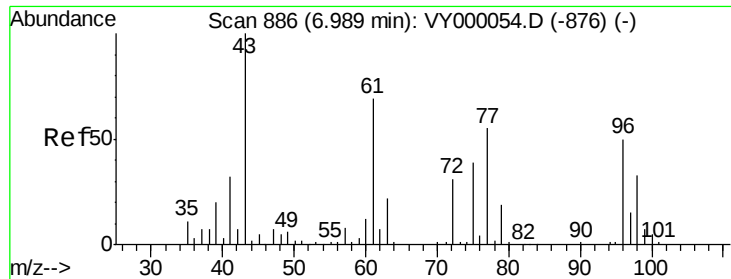


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 23.991 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

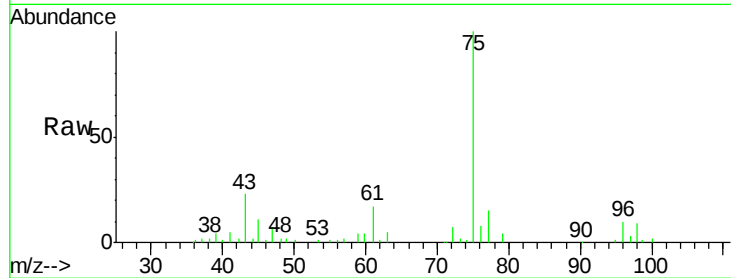
MDL1

Tot Ion: 43 Resp: 11625

Ion Ratio Lower Upper

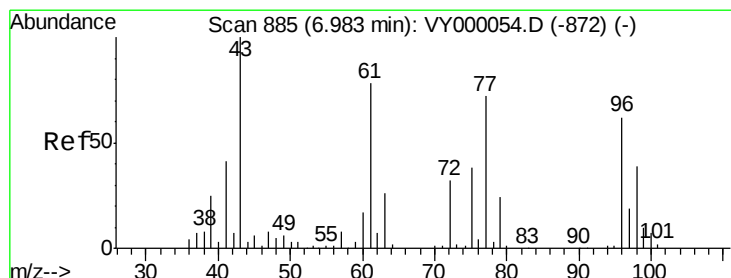
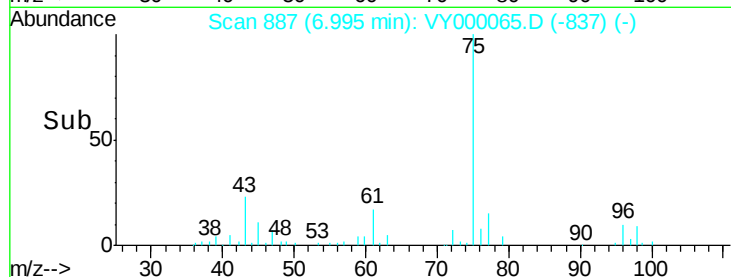
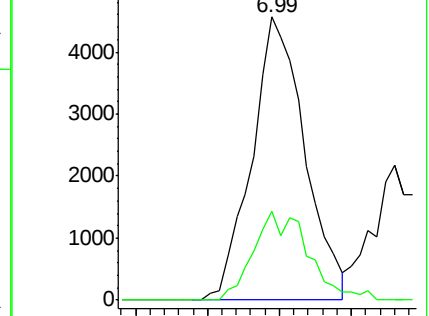
43 100

72 31.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.595 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000065.D

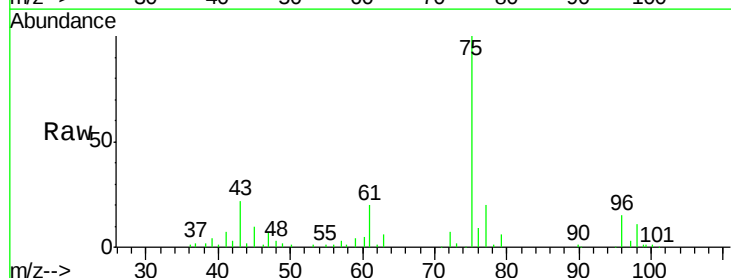
Acq: 18 Sep 2019 17:04

Tgt Ion: 77 Resp: 10515

Ion Ratio Lower Upper

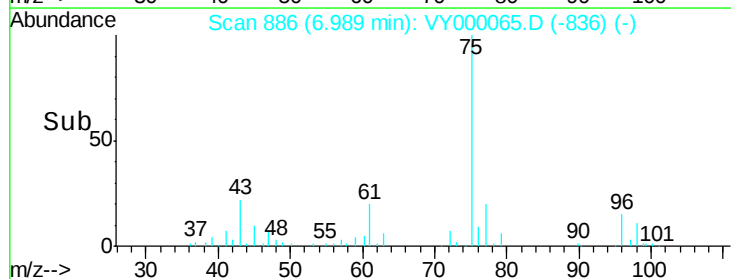
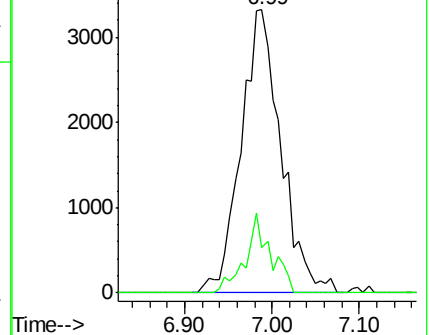
77 100

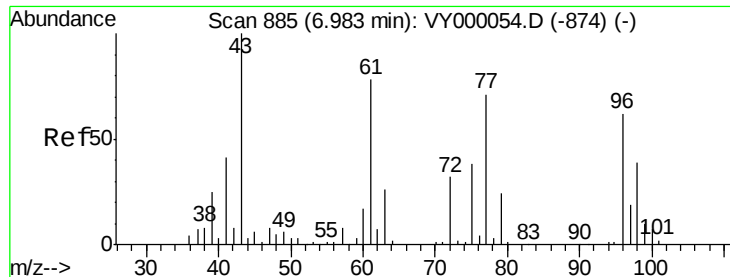
97 17.9 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



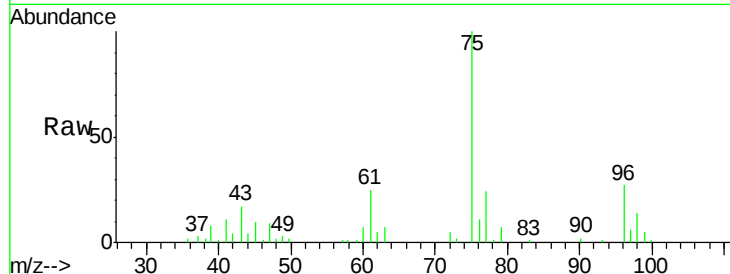


#27

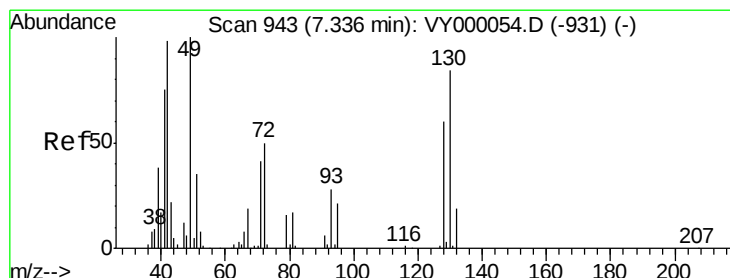
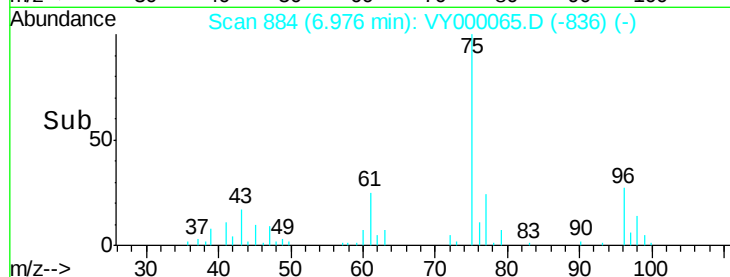
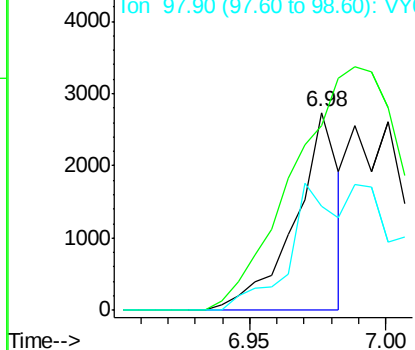
cis-1,2-Dichloroethene
Concen: 2.241 ug/l
RT: 6.98 min Scan# 884
Delta R.T. -0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Instrument :
MSVOA_Y
ClientSampled :
MDL1

Tot Ion: 96 Resp: 3074
Ion Ratio Lower Upper
96 100
61 327.7 0.0 263.0#
98 69.1 0.0 130.2



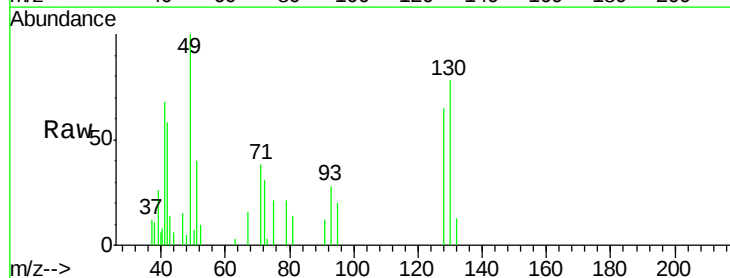
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



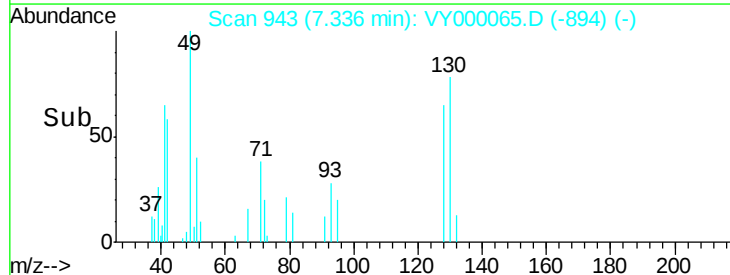
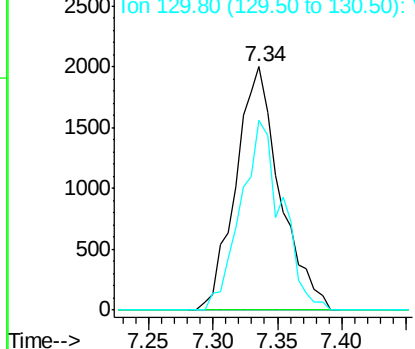
#28

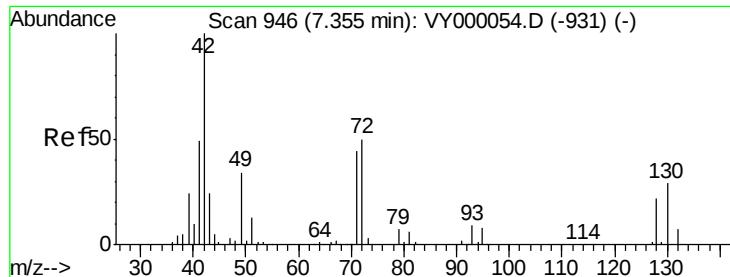
Bromochloromethane
Concen: 5.146 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 49 Resp: 4751
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 72.7 66.2 99.4



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

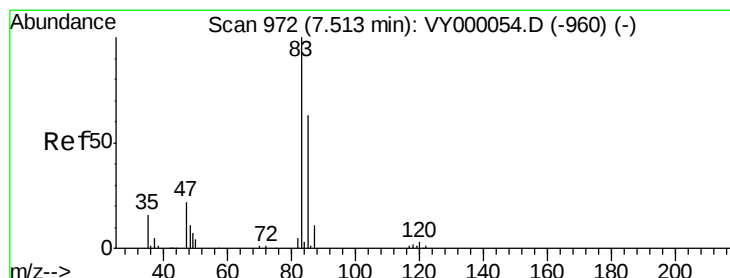
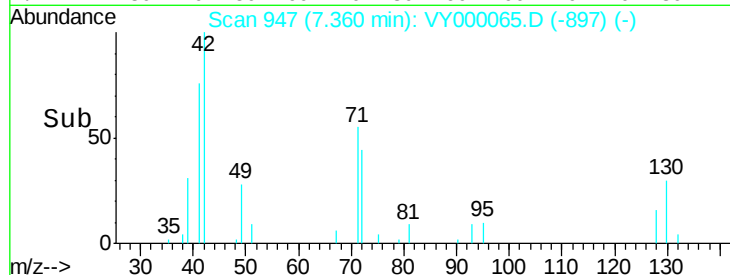
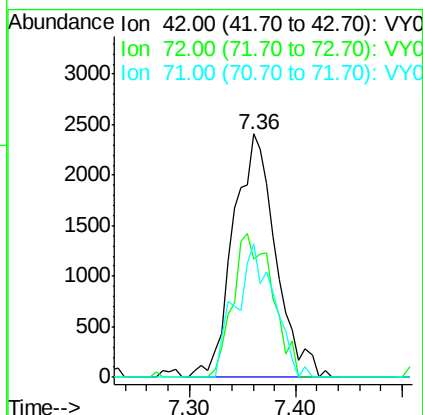
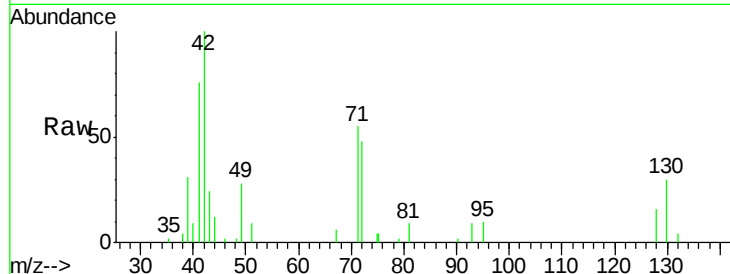




#29
Tetrahydrofuran
Concen: 23.116 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

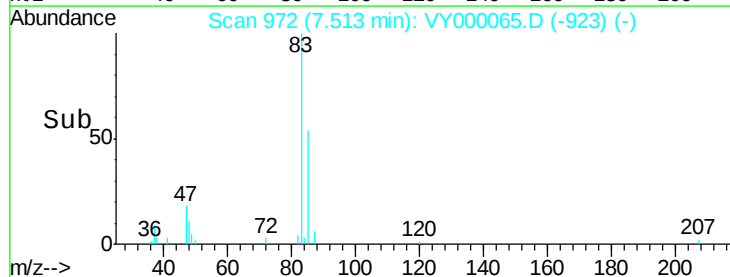
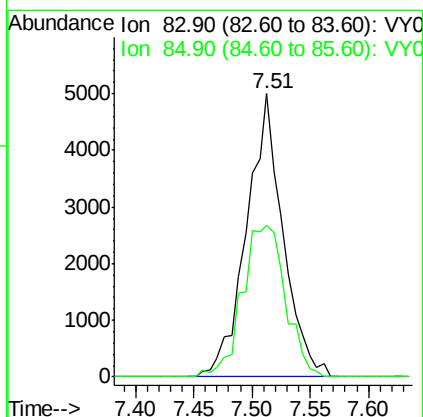
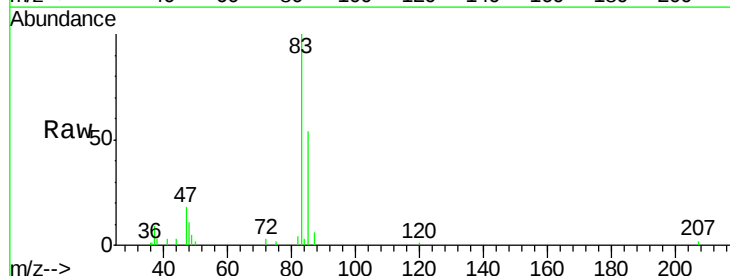
Instrument :
MSVOA_Y
ClientSampled :
MDL1

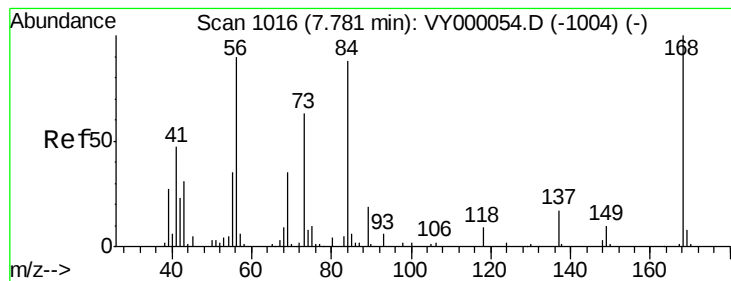
Tot Ion: 42 Resp: 6724
Ion Ratio Lower Upper
42 100
72 55.0 41.8 62.6
71 49.8 38.6 58.0



#30
Chloroform
Concen: 5.289 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 83 Resp: 10871
Ion Ratio Lower Upper
83 100
85 53.6 50.6 76.0





#31

Cyclohexane

Concen: 2.910 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

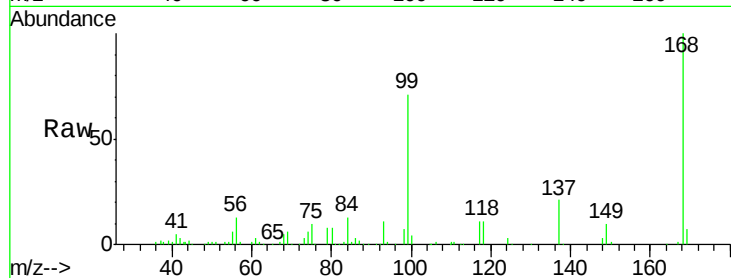
Tot Ion: 56 Resp: 10122

Ion Ratio Lower Upper

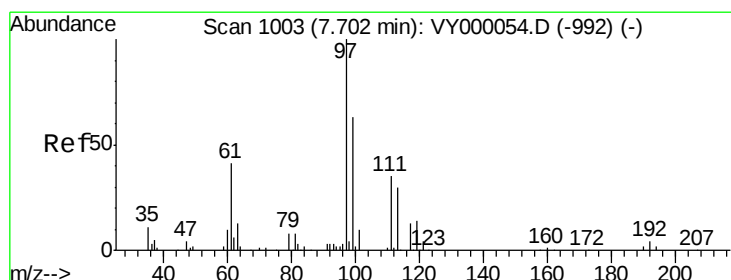
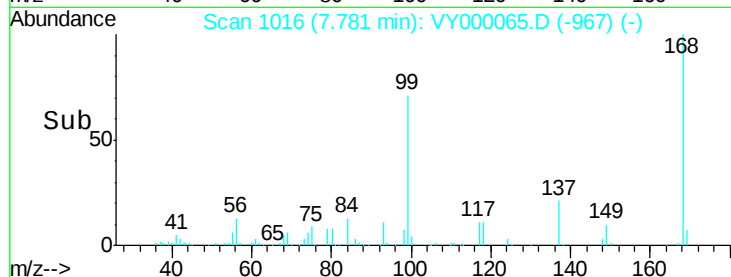
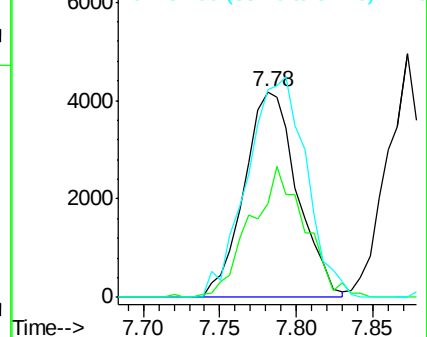
56 100

69 46.0 30.9 46.3

84 101.1 78.5 117.7



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: 4.480 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

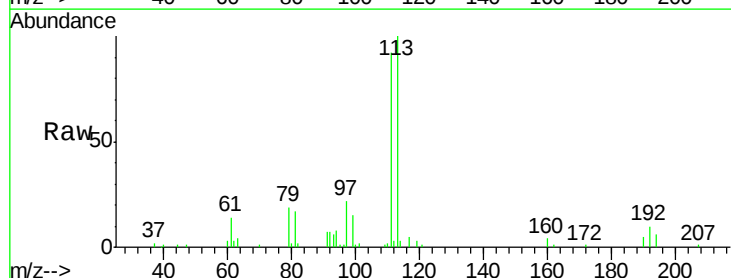
Tgt Ion: 97 Resp: 7479

Ion Ratio Lower Upper

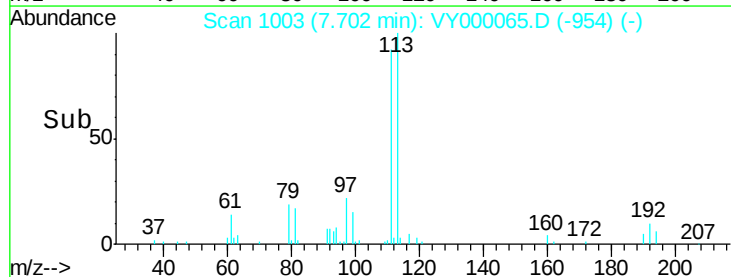
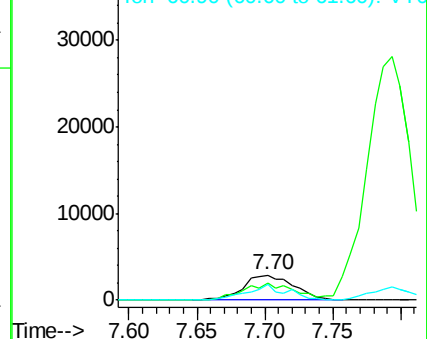
97 100

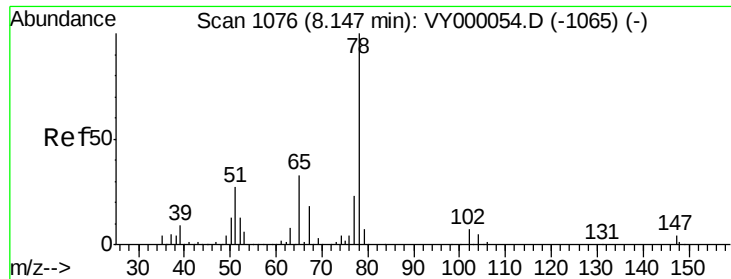
99 68.2 51.8 77.6

61 49.1 34.3 51.5



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

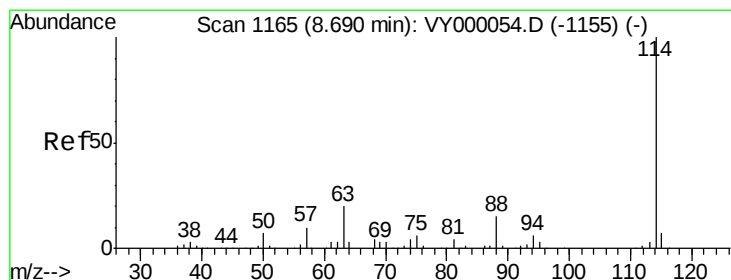
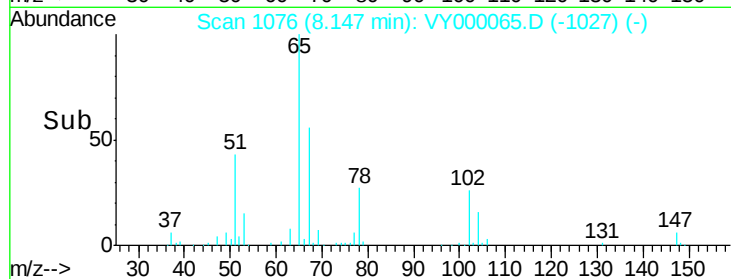
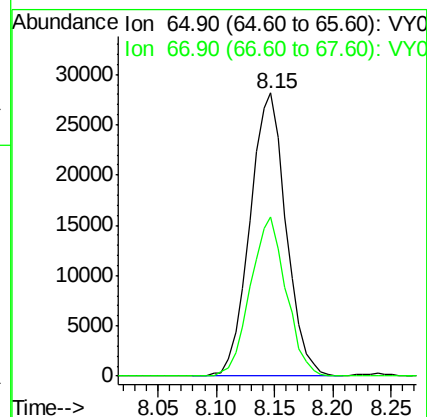
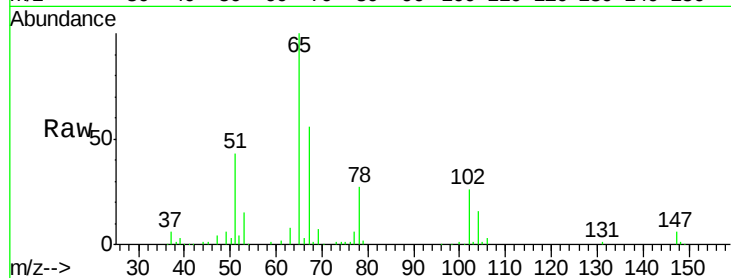




#33
 1,2-Dichloroethane-d4
 Concen: 53.024 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

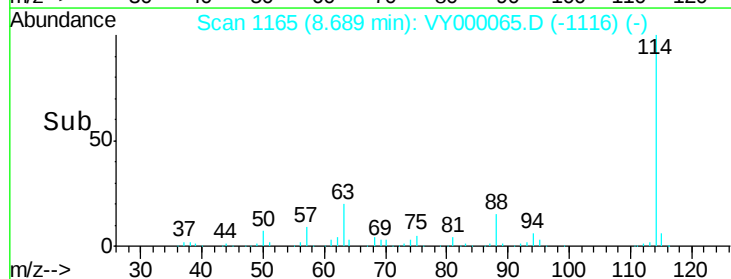
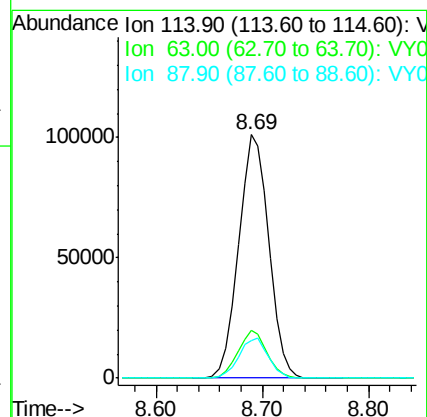
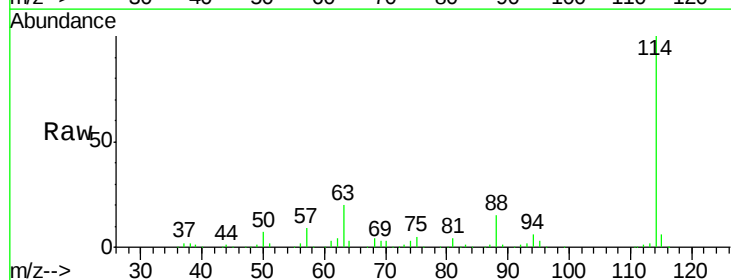
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

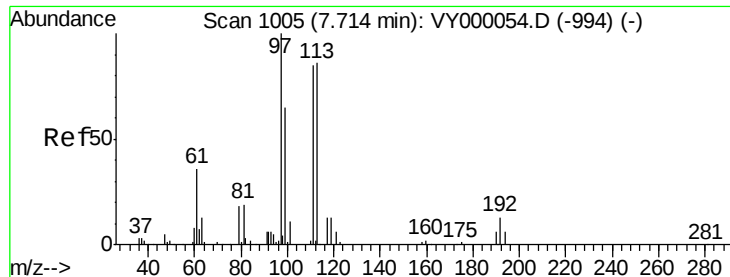
Tot Ion: 65 Resp: 60924
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion: 114 Resp: 201130
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.3 0.0 30.2

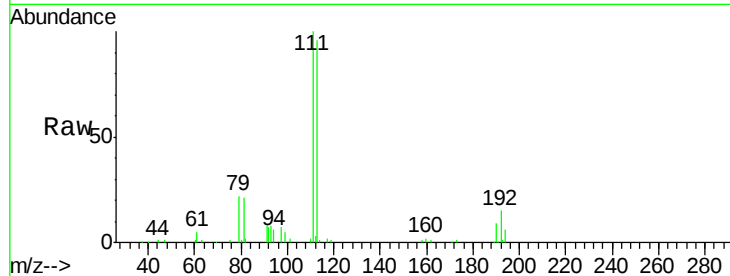




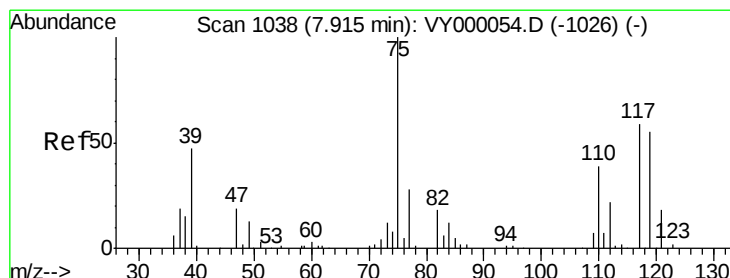
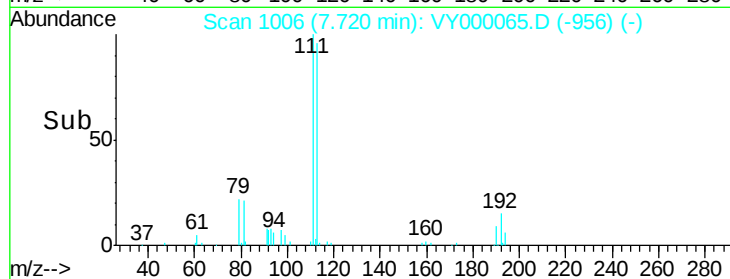
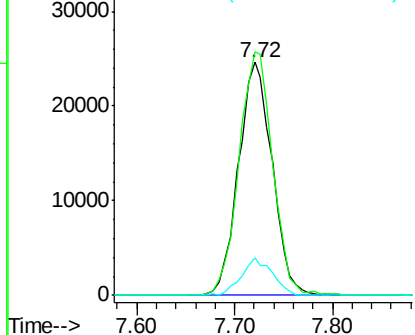
#35
 Dibromofluoromethane
 Concen: 48.418 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

Tot Ion:113 Resp: 58963
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.7 122.5
 192 14.8 13.4 20.2

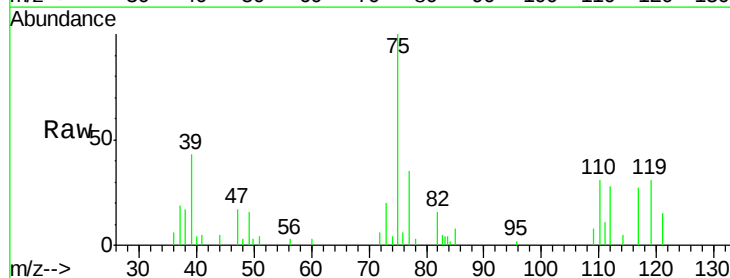


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

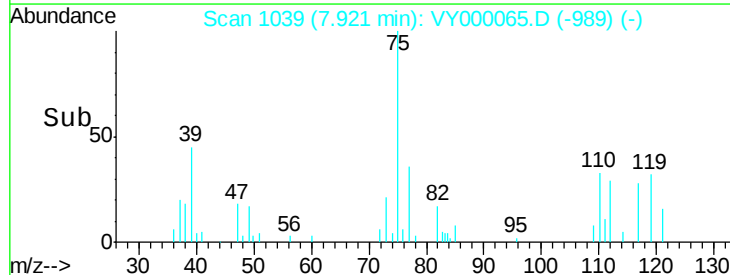
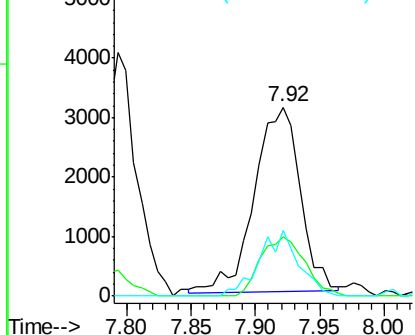


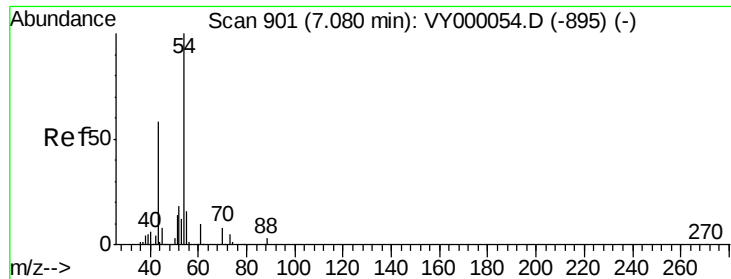
#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.92 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion: 75 Resp: 7696
 Ion Ratio Lower Upper
 75 100
 110 30.9 19.6 58.7
 77 30.2 24.3 36.5



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

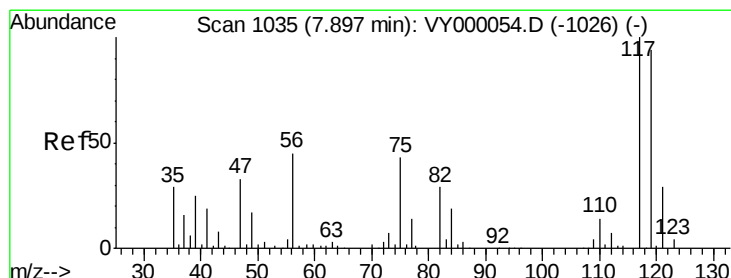
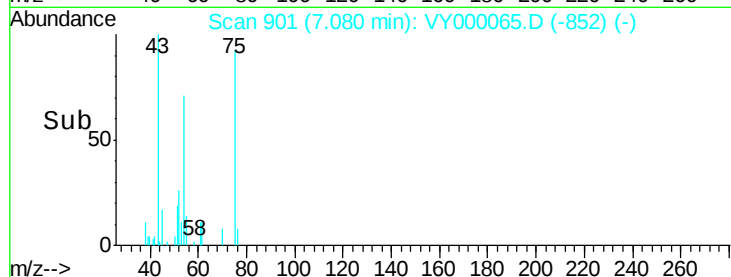
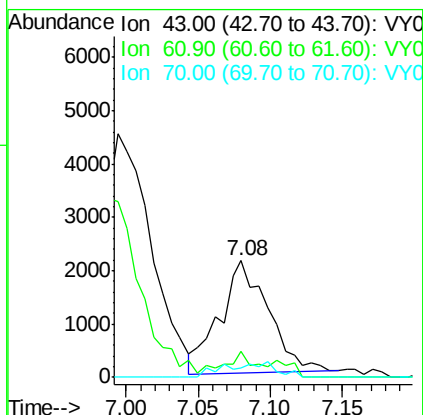
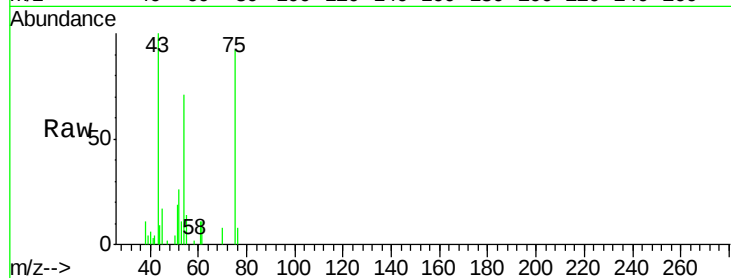




#37
Ethyl Acetate
Concen: 4.904 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

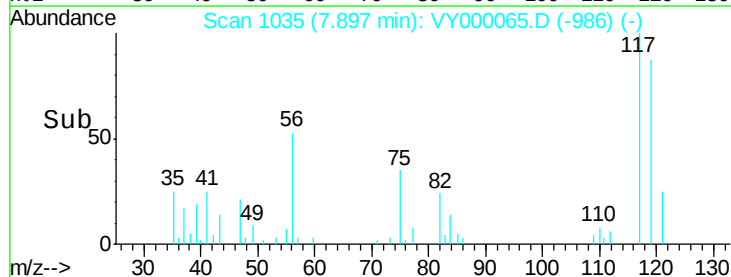
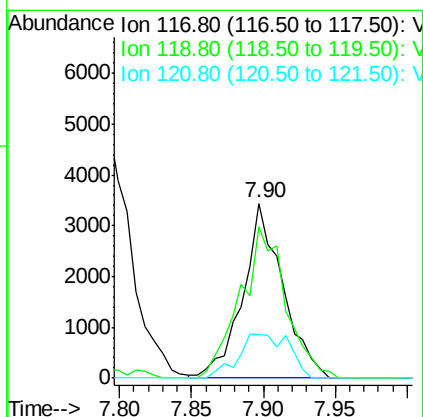
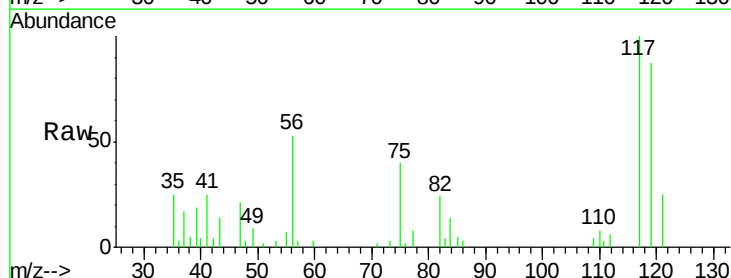
Instrument :
MSVOA_Y
ClientSampled :
MDL1

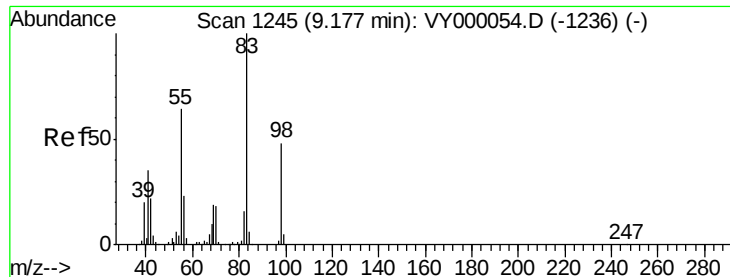
Tot Ion: 43 Resp: 4916
Ion Ratio Lower Upper
43 100
61 0.0 14.1 21.1#
70 5.0 10.6 15.8#



#38
Carbon Tetrachloride
Concen: 4.637 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 117 Resp: 6582
Ion Ratio Lower Upper
117 100
119 86.5 75.0 112.6
121 25.3 22.8 34.2

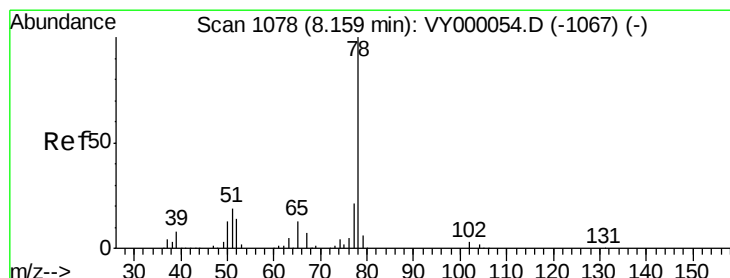
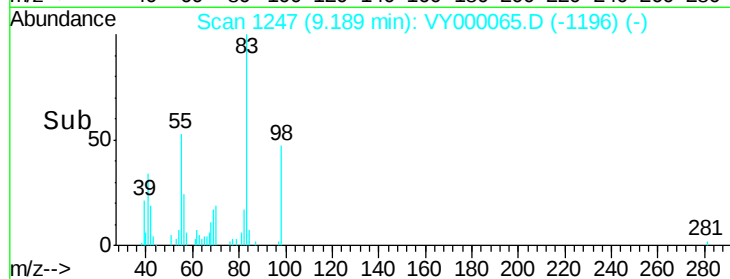
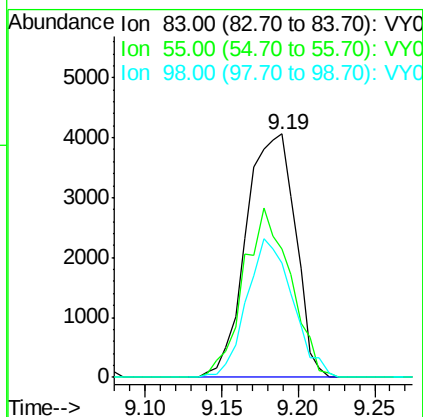
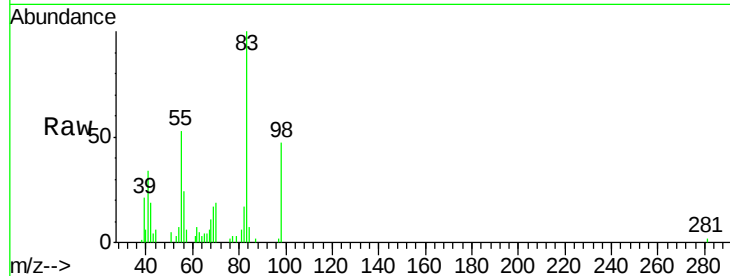




#39
Methvlcvclohexane
Concen: 4.912 ug/l
RT: 9.19 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

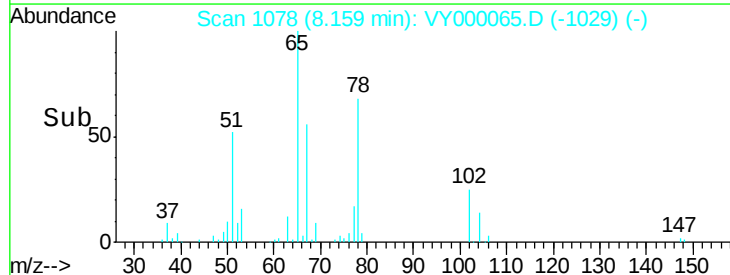
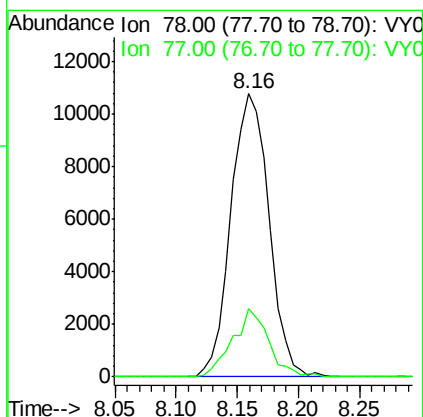
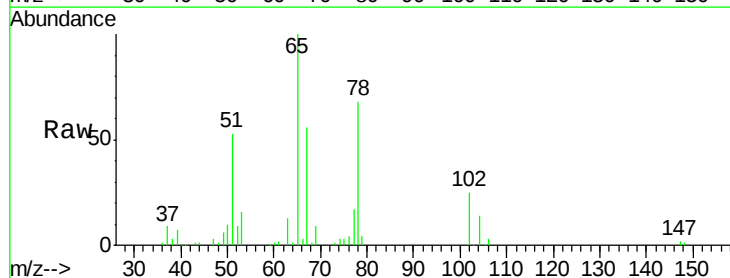
Instrument :
MSVOA_Y
ClientSampleId :
MDL1

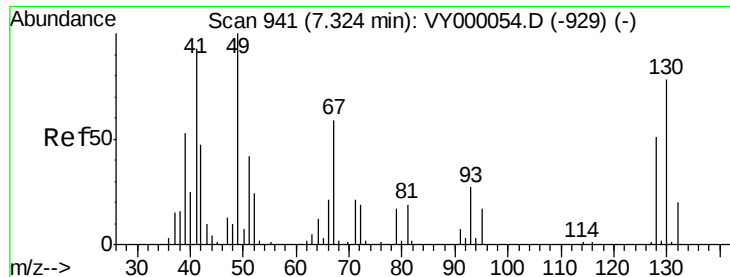
Tot Ion: 83 Resp: 9084
Ion Ratio Lower Upper
83 100
55 52.7 51.0 76.6
98 46.7 38.5 57.7



#40
Benzene
Concen: 4.691 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 78 Resp: 23301
Ion Ratio Lower Upper
78 100
77 24.3 16.8 25.2





#41

Methacrylonitrile

Concen: 6.880 ug/l

RT: 7.31 min Scan# 939

Delta R.T. -0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

MDL1

Tot Ion: 41 Resp: 2184

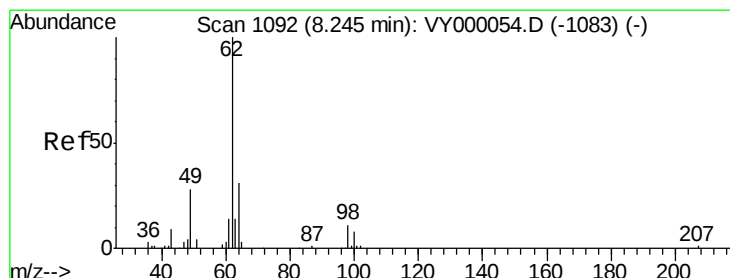
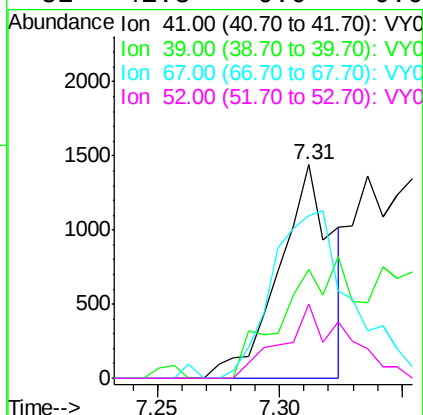
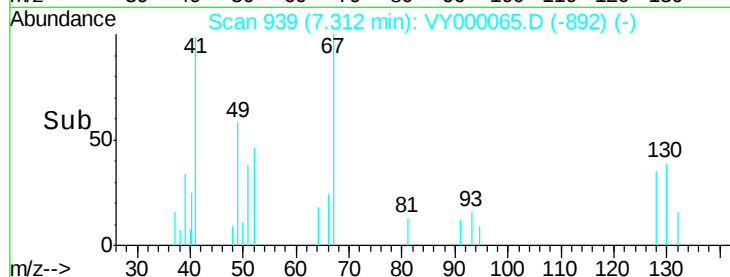
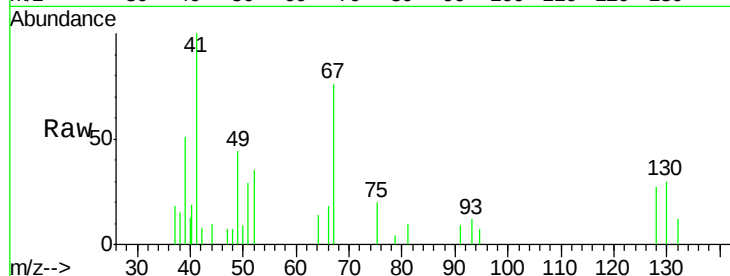
Ion Ratio Lower Upper

41 100

39 77.7 91.8 137.6#

67 117.5 0.0 0.0#

52 41.8 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 4.491 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VY000065.D

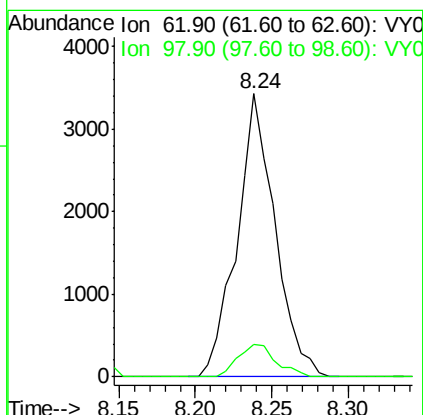
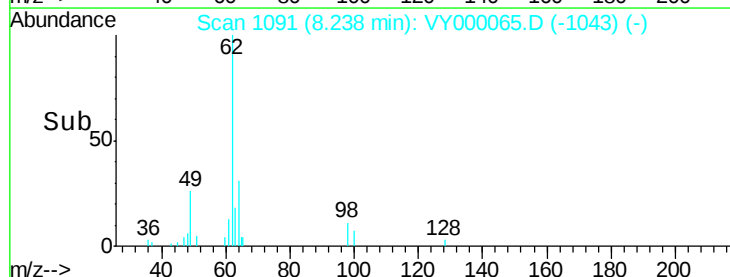
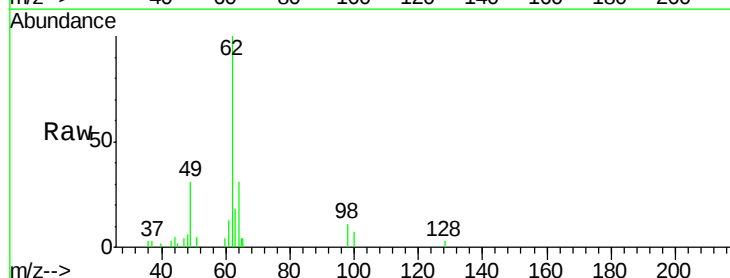
Acq: 18 Sep 2019 17:04

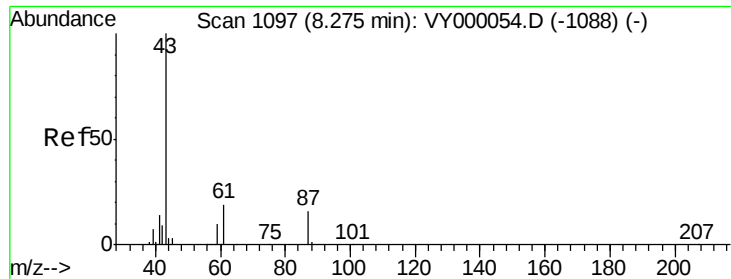
Tgt Ion: 62 Resp: 5909

Ion Ratio Lower Upper

62 100

98 11.5 0.0 23.6

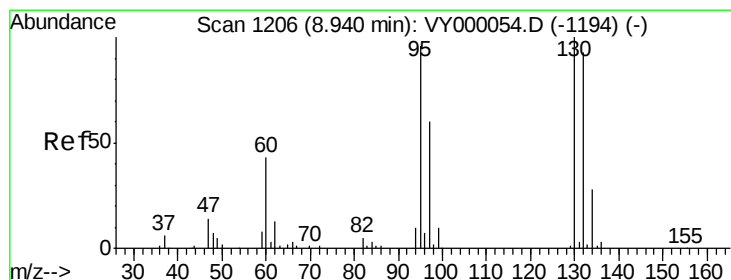
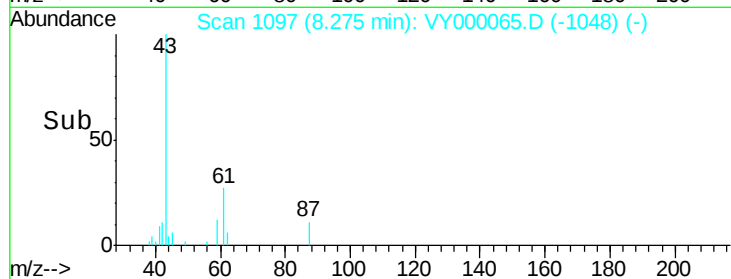
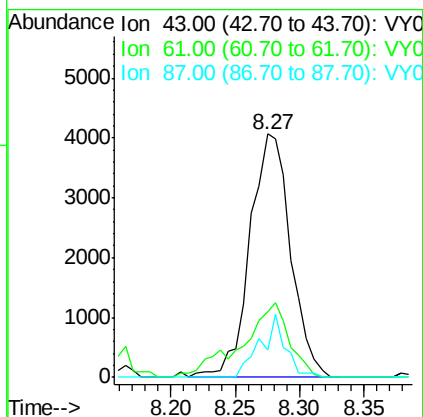
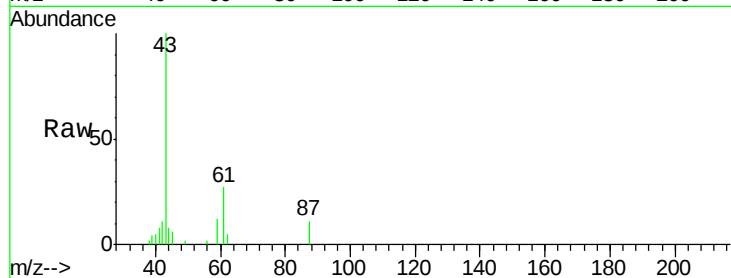




#43
Isopropyl Acetate
Concen: 4.521 ug/l
RT: 8.27 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

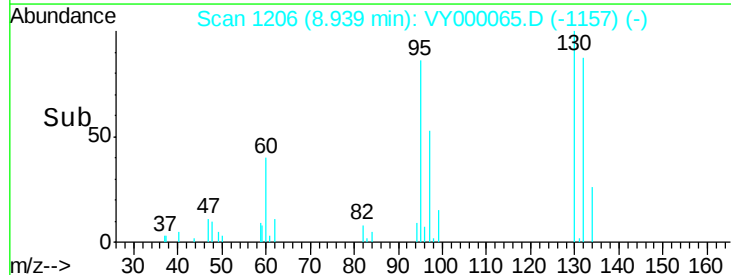
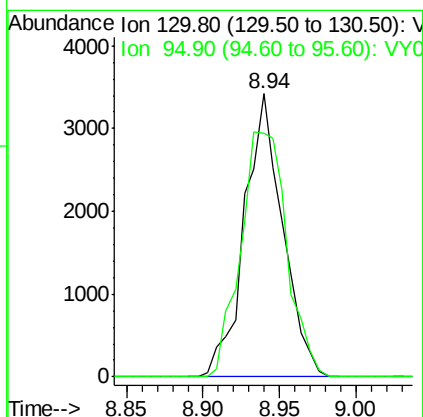
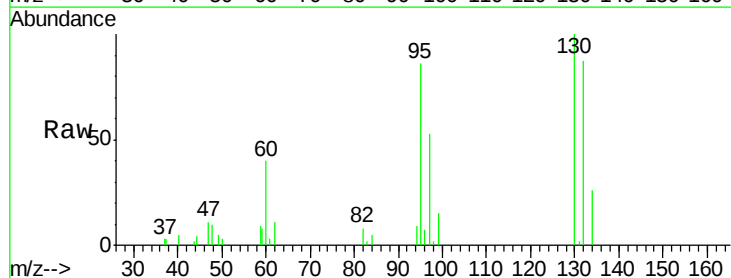
Instrument :
MSVOA_Y
ClientSampled :
MDL1

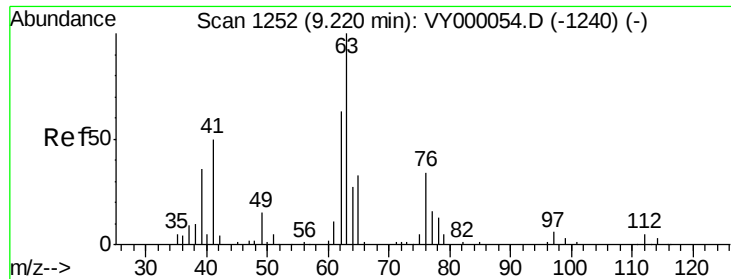
Tot Ion: 43 Resp: 8863
Ion Ratio Lower Upper
43 100
61 35.7 25.0 37.6
87 15.9 12.4 18.6



#44
Trichloroethene
Concen: 4.697 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 130 Resp: 5960
Ion Ratio Lower Upper
130 100
95 86.0 0.0 192.0

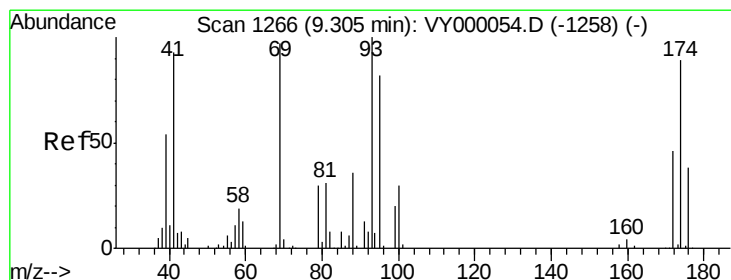
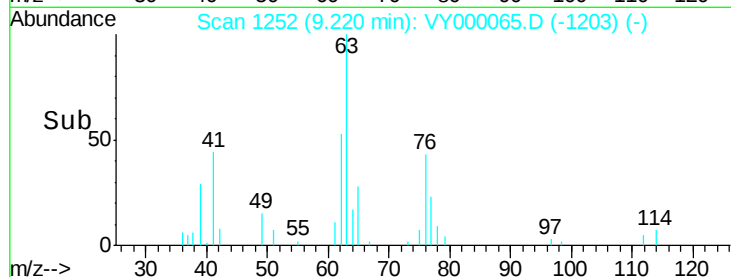
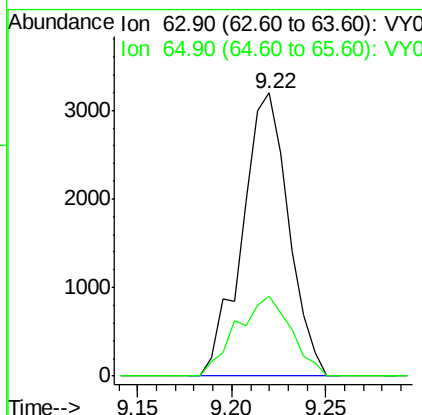
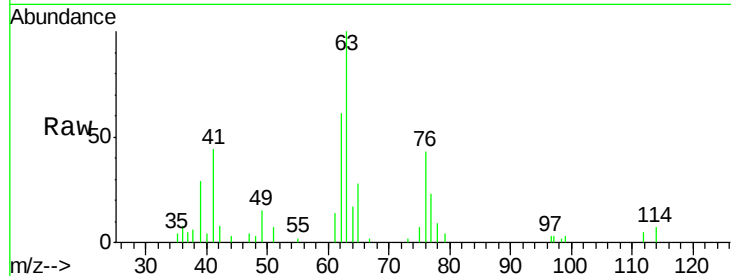




#45
 1,2-Dichloropropane
 Concen: 4.252 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

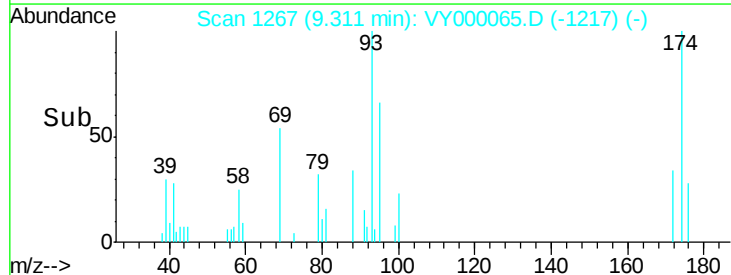
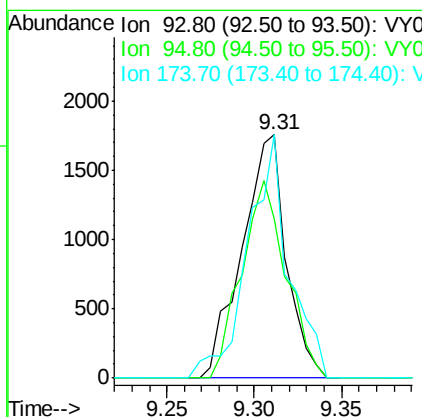
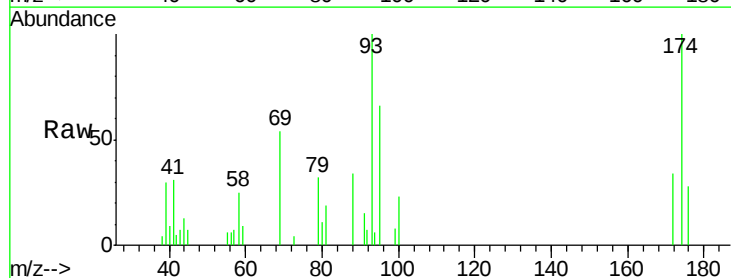
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

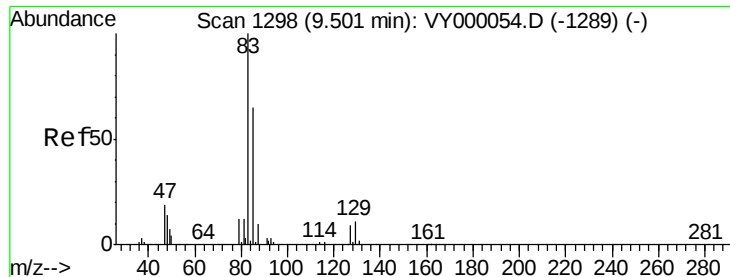
Tot Ion: 63 Resp: 5471
 Ion Ratio Lower Upper
 63 100
 65 28.1 26.2 39.4



#46
 Dibromomethane
 Concen: 4.401 ug/l
 RT: 9.31 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion: 93 Resp: 3093
 Ion Ratio Lower Upper
 93 100
 95 81.8 68.1 102.1
 174 93.2 67.8 101.6





#47

Bromodichloromethane

Concen: 4.175 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

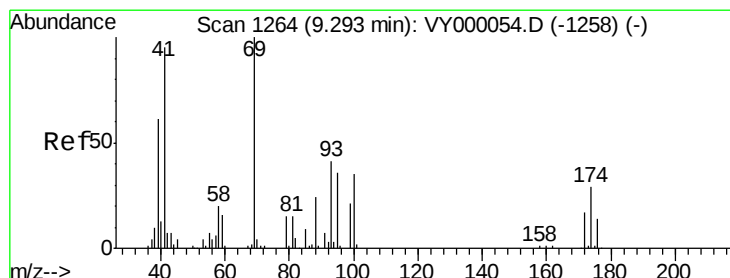
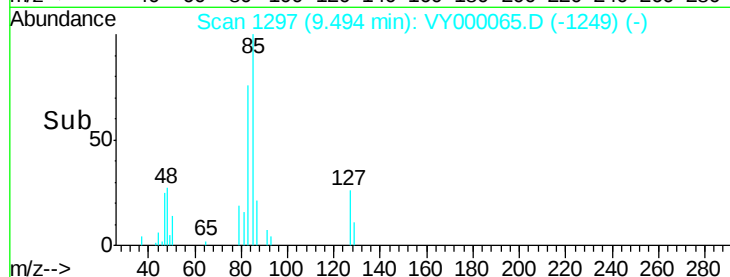
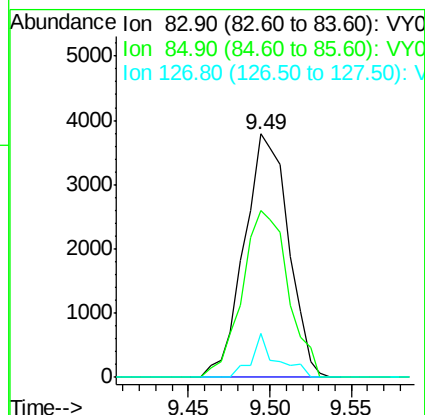
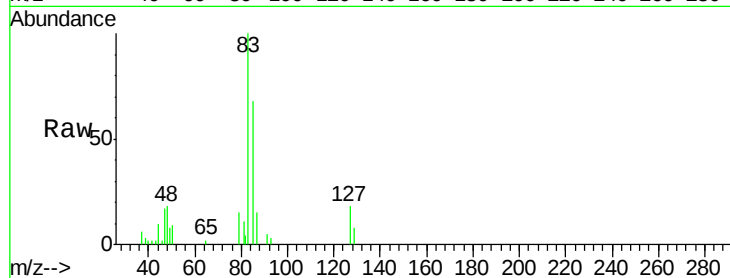
Tot Ion: 83 Resp: 7120

Ion Ratio Lower Upper

83 100

85 68.3 52.3 78.5

127 17.8 6.8 10.2#



#48

Methyl methacrylate

Concen: 4.285 ug/l

RT: 9.29 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

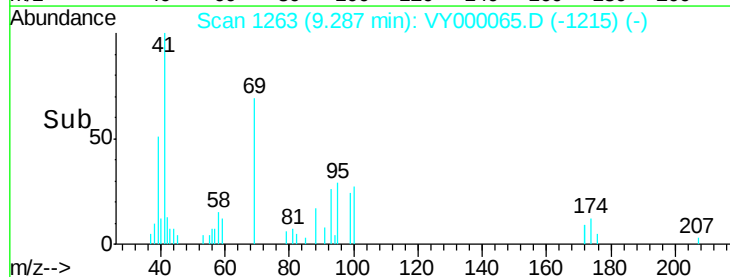
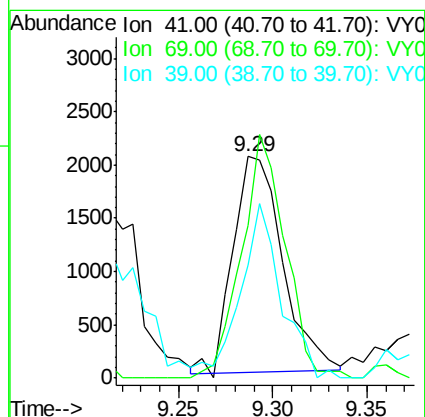
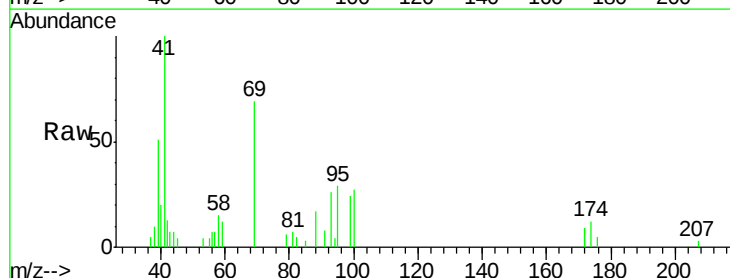
Tgt Ion: 41 Resp: 3695

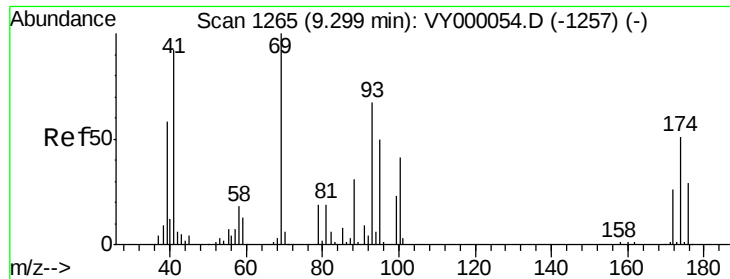
Ion Ratio Lower Upper

41 100

69 99.8 78.1 117.1

39 66.6 49.4 74.0

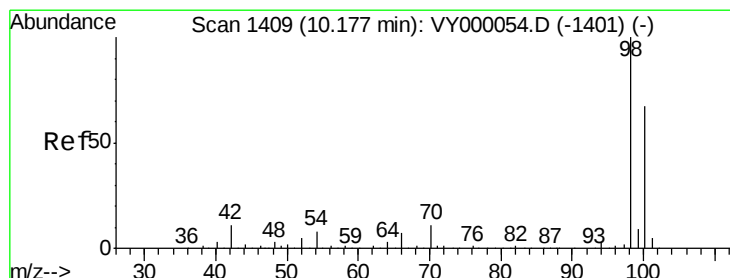
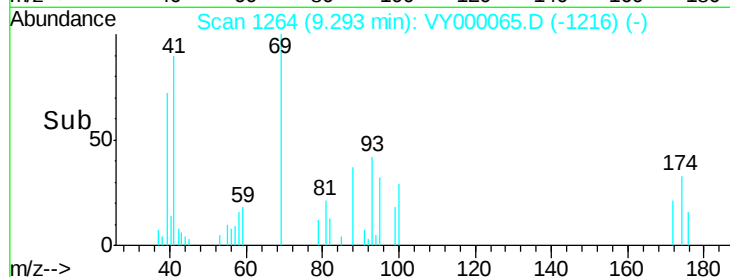
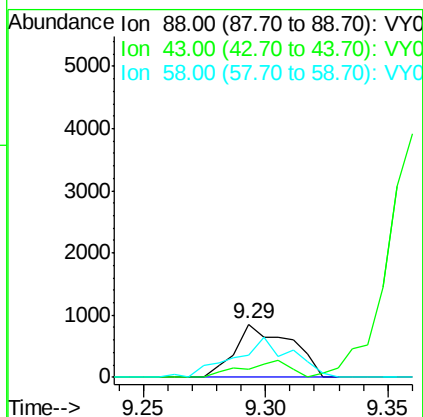
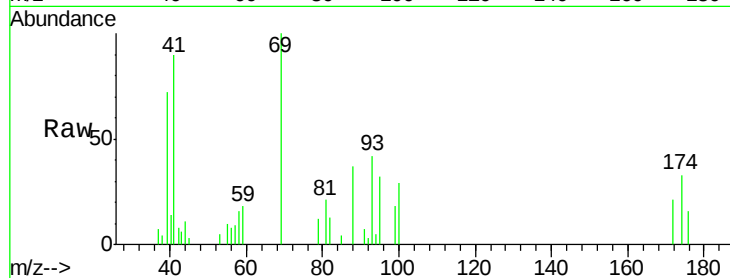




#49
1,4-Dioxane
Concen: 97.906 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

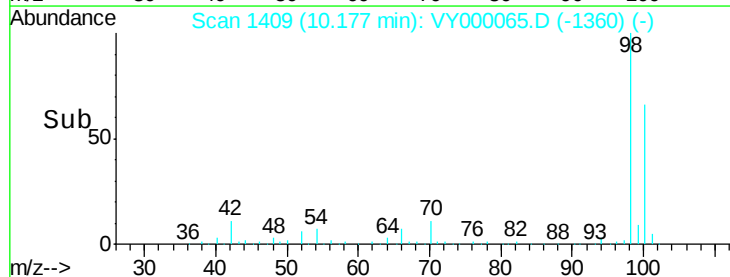
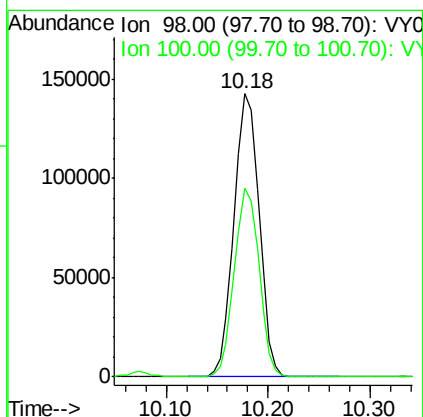
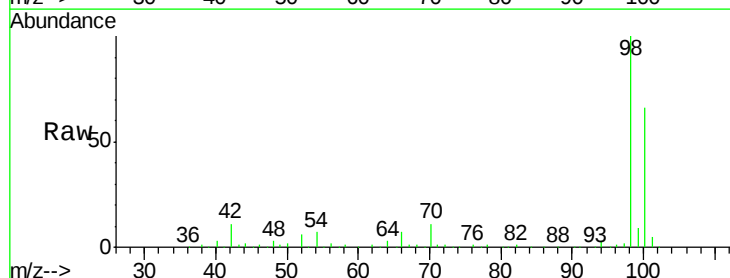
Instrument :
MSVOA_Y
ClientSampled :
MDL1

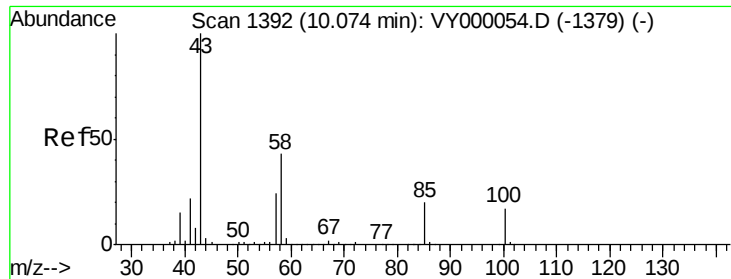
Tot Ion: 88 Resp: 1336
Ion Ratio Lower Upper
88 100
43 27.2 18.7 28.1
58 78.8 53.0 79.6



#50
Toluene-d8
Concen: 50.964 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 98 Resp: 243765
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 22.343 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

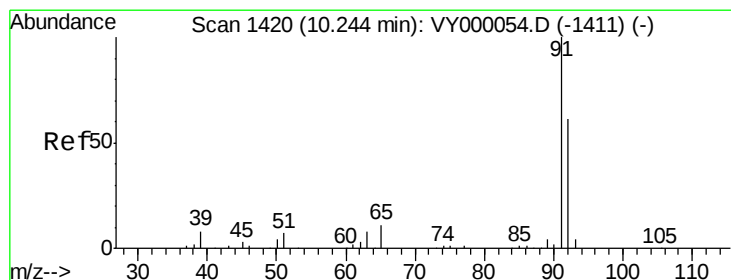
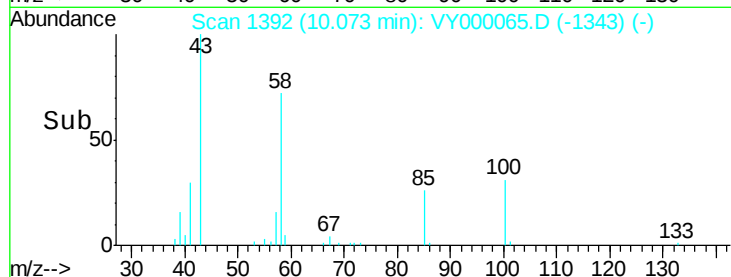
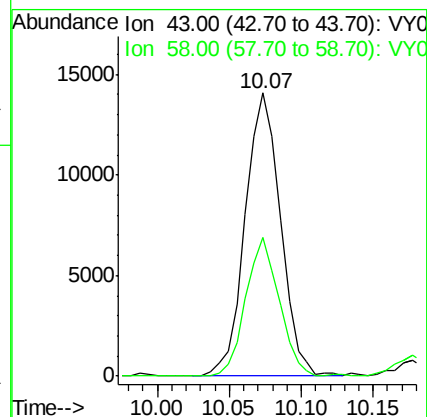
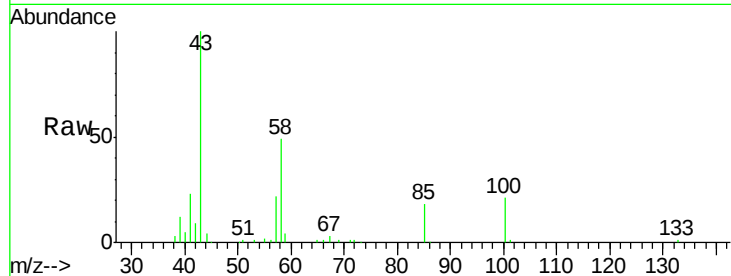
MDL1

Tot Ion: 43 Resp: 23916

Ion Ratio Lower Upper

43 100

58 46.3 34.2 51.2



#52

Toluene

Concen: 4.778 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000065.D

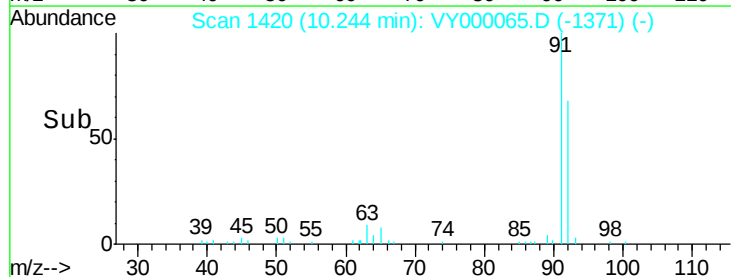
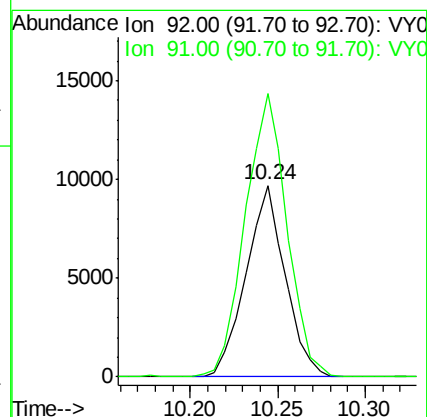
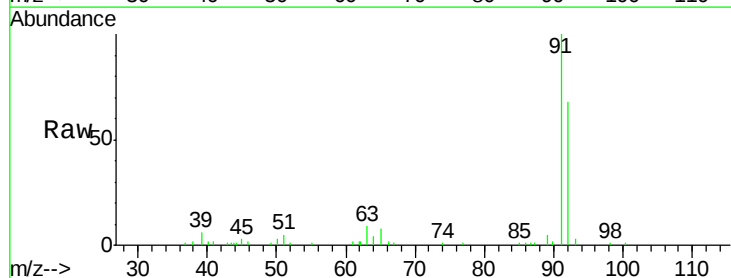
Acq: 18 Sep 2019 17:04

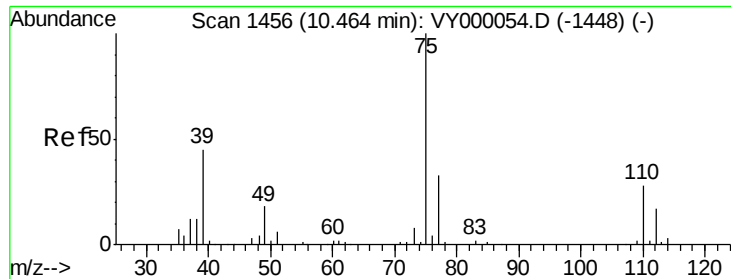
Tgt Ion: 92 Resp: 15079

Ion Ratio Lower Upper

92 100

91 157.3 135.8 203.6

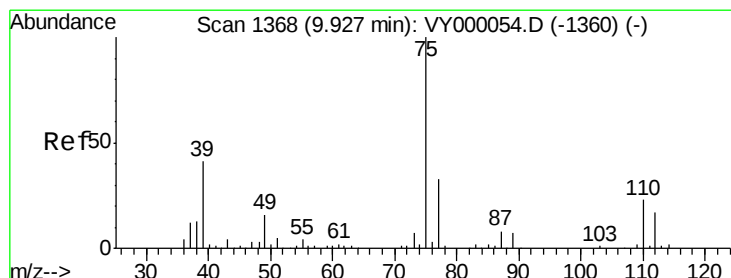
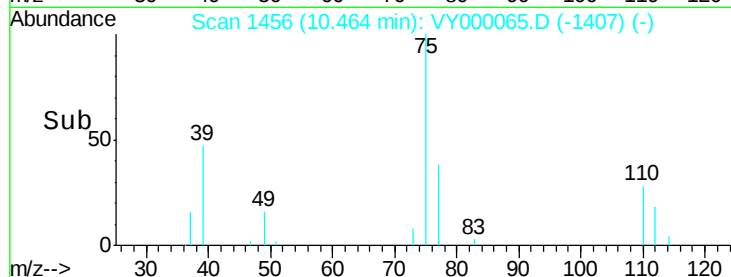
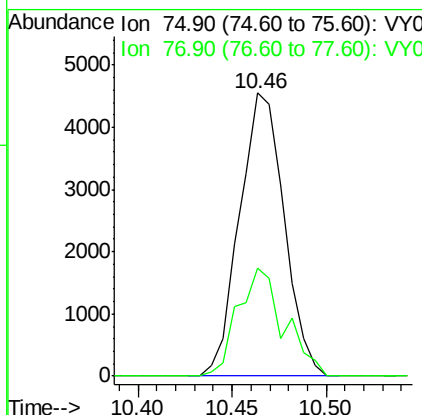
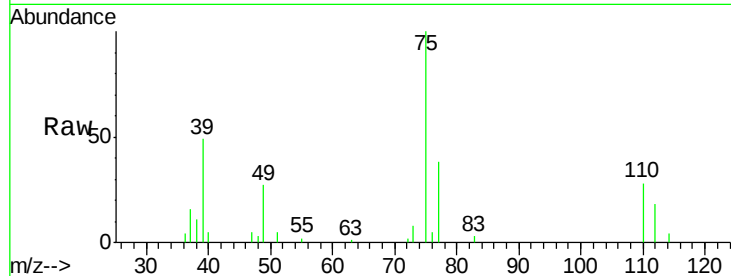




#53
 t-1,3-Dichloropropene
 Concen: 4.138 ug/l
 RT: 10.46 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

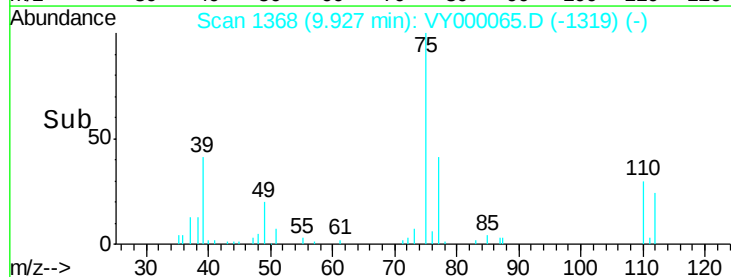
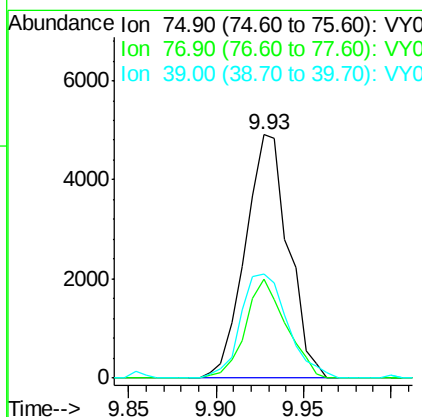
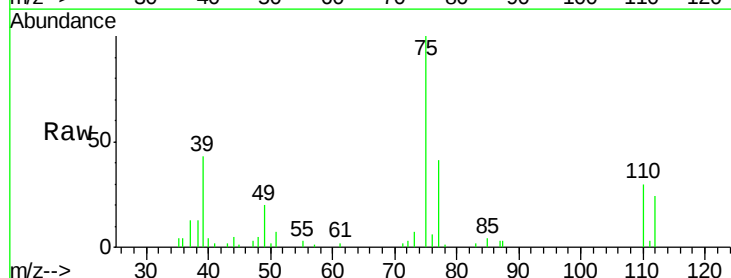
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

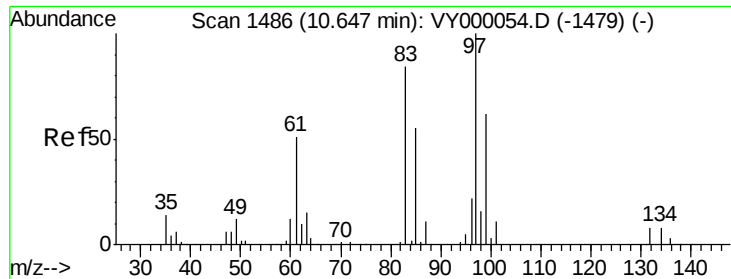
Tot Ion: 75 Resp: 7483
 Ion Ratio Lower Upper
 75 100
 77 38.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.038 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion: 75 Resp: 8433
 Ion Ratio Lower Upper
 75 100
 77 40.6 26.1 39.1#
 39 42.7 33.1 49.7

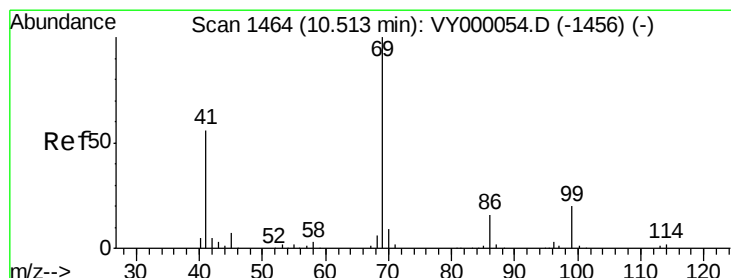
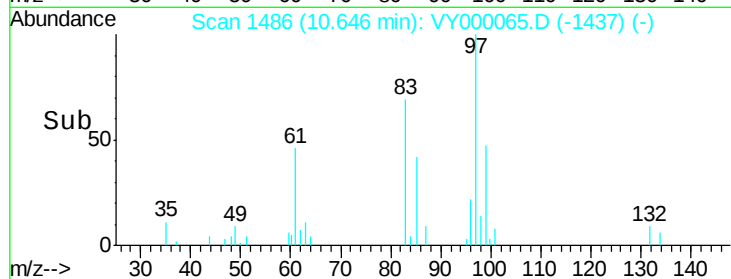
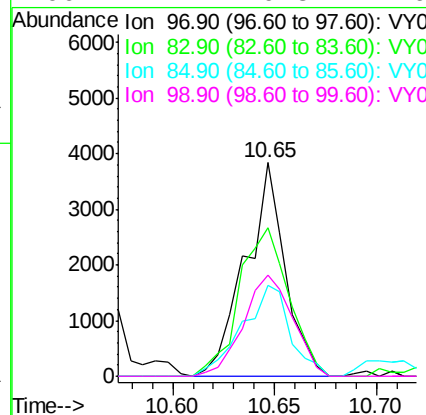
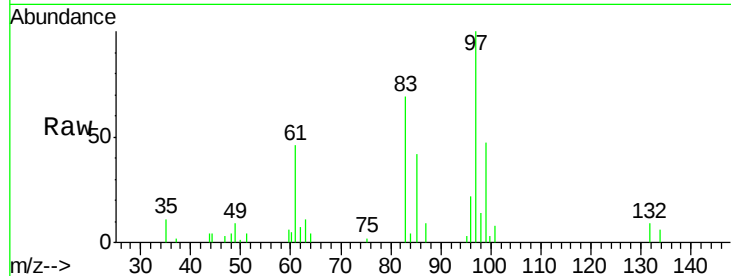




#55
 1,1,2-Trichloroethane
 Concen: 4.724 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

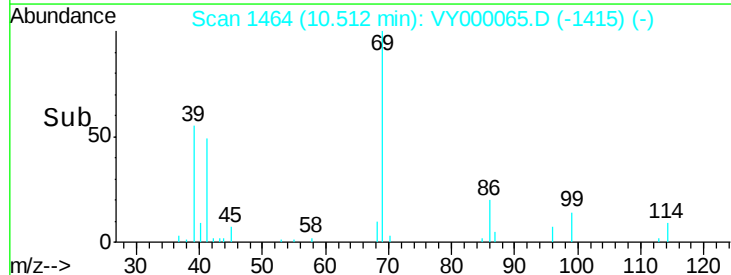
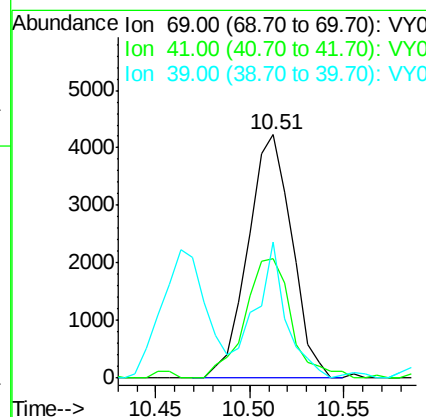
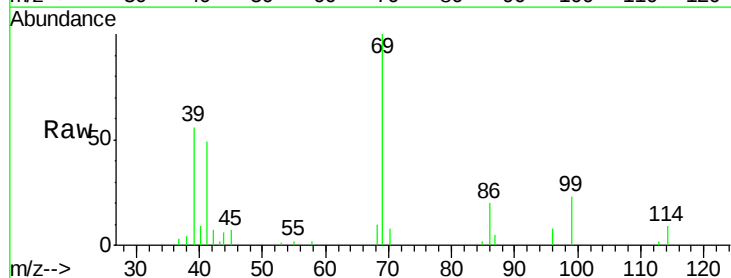
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

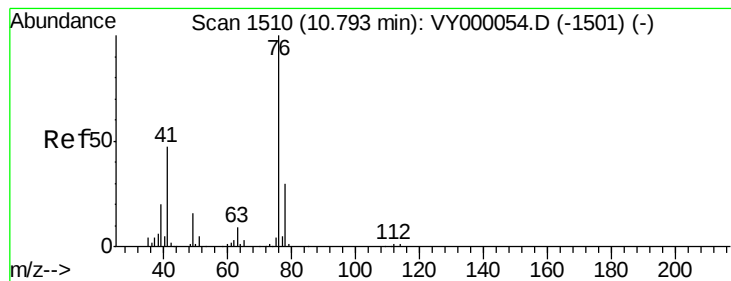
Tot Ion: 97 Resp: 5205
 Ion Ratio Lower Upper
 97 100
 83 69.5 67.3 100.9
 85 42.4 43.6 65.4#
 99 47.1 49.8 74.6#



#56
 Ethyl methacrylate
 Concen: 4.354 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion: 69 Resp: 6827
 Ion Ratio Lower Upper
 69 100
 41 52.1 45.6 68.4
 39 39.3 27.3 40.9





#57

1,3-Dichloropropane

Concen: 4.380 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

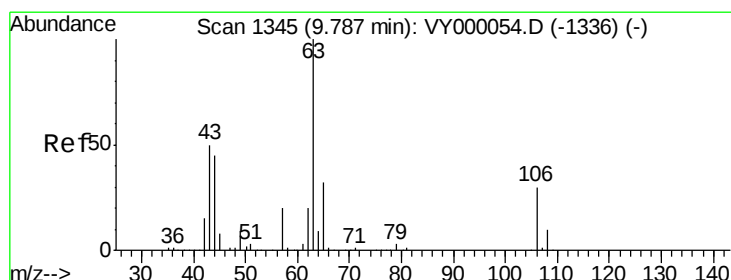
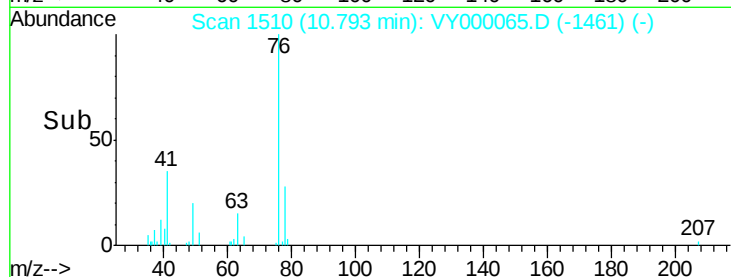
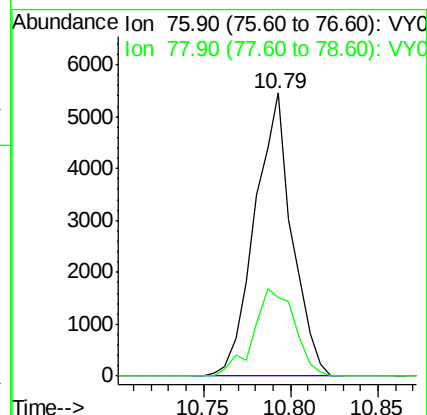
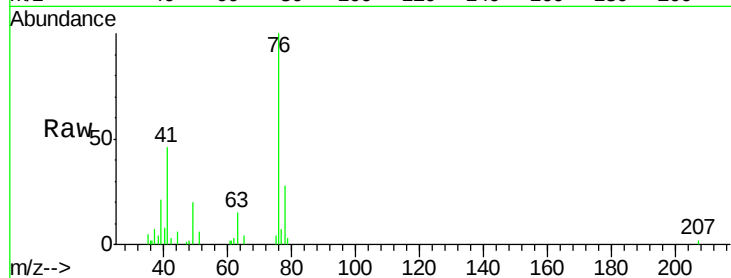
MDL1

Tot Ion: 76 Resp: 8108

Ion Ratio Lower Upper

76 100

78 34.3 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 24.353 ug/l

RT: 9.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000065.D

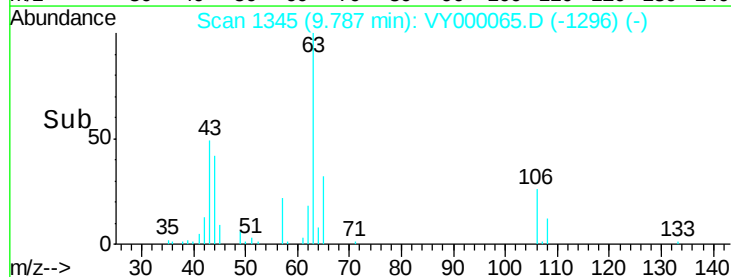
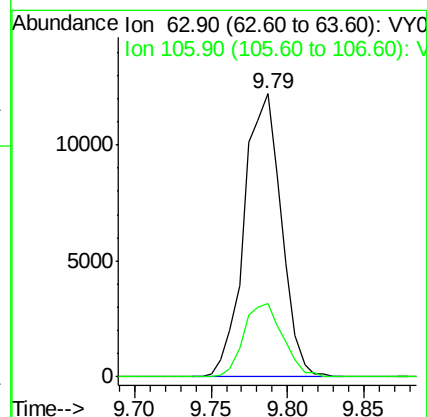
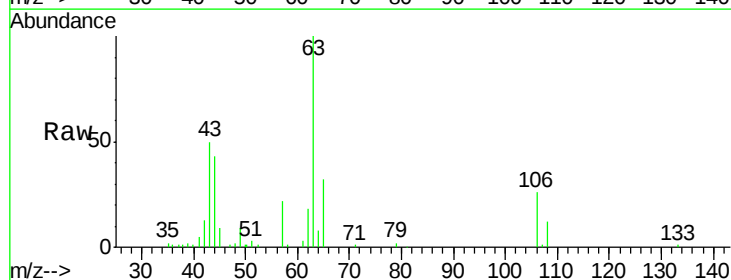
Acq: 18 Sep 2019 17:04

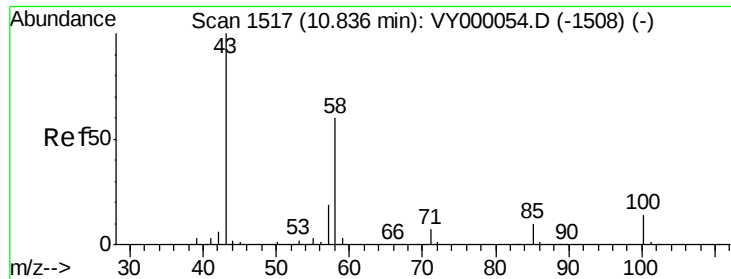
Tgt Ion: 63 Resp: 20641

Ion Ratio Lower Upper

63 100

106 27.3 23.3 34.9

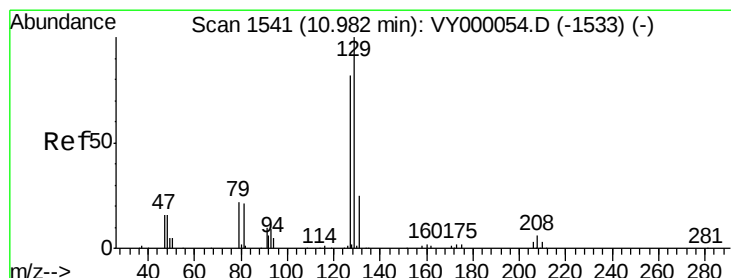
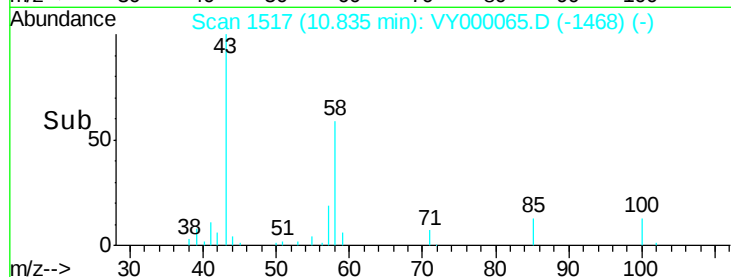
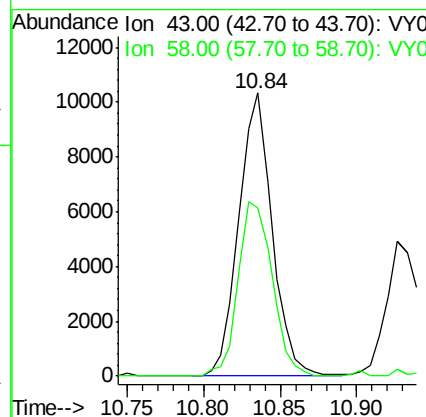
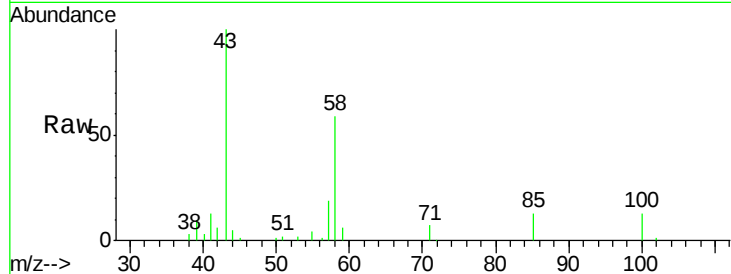




#59
2-Hexanone
Concen: 20.503 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

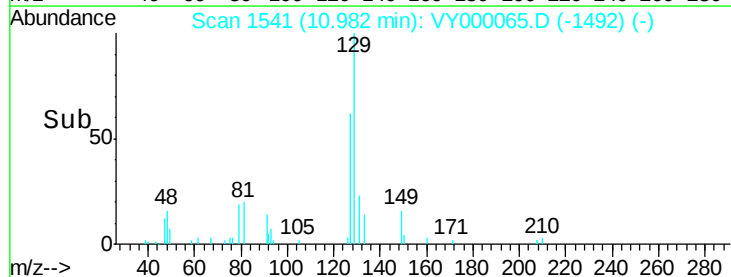
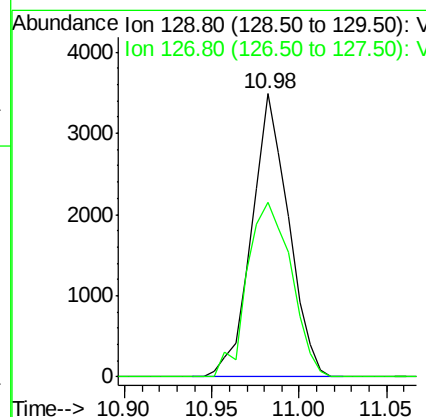
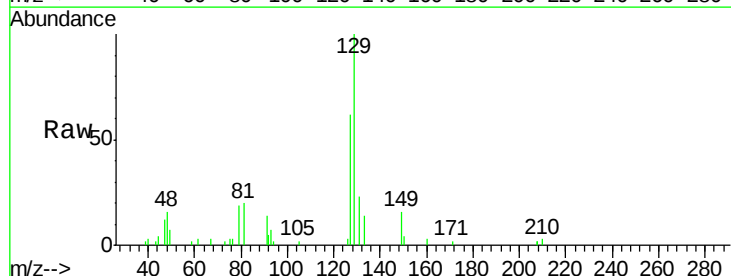
Instrument :
MSVOA_Y
ClientSampled :
MDL1

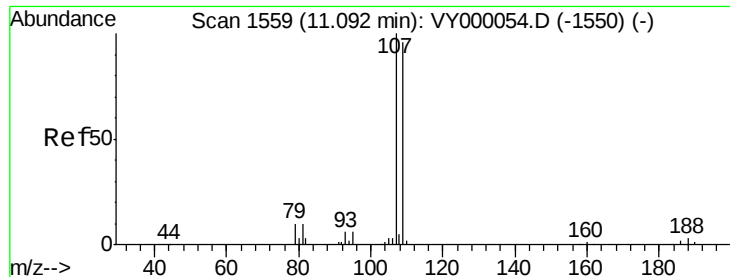
Tot Ion: 43 Resp: 15657
Ion Ratio Lower Upper
43 100
58 63.0 29.9 89.7



#60
Dibromochloromethane
Concen: 4.427 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 129 Resp: 5110
Ion Ratio Lower Upper
129 100
127 73.7 40.2 120.6

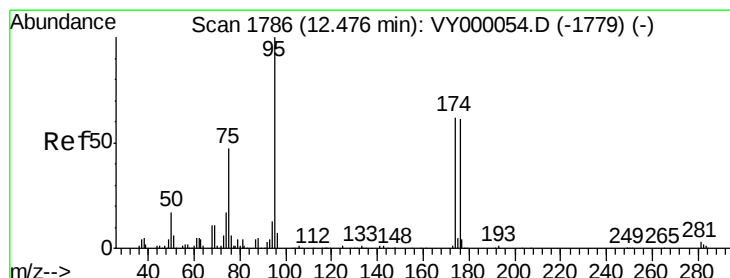
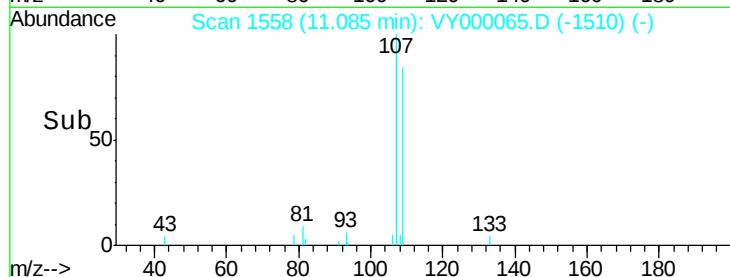
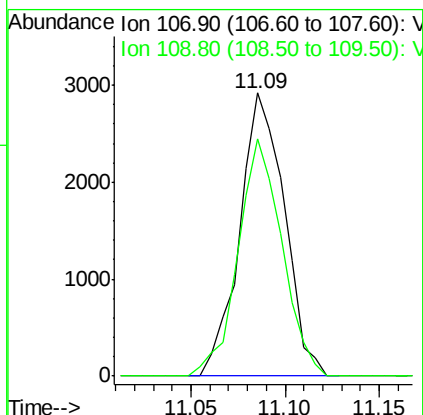
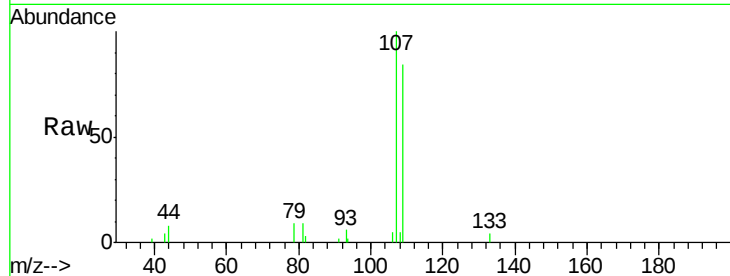




#61
 1,2-Dibromoethane
 Concen: 4.766 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

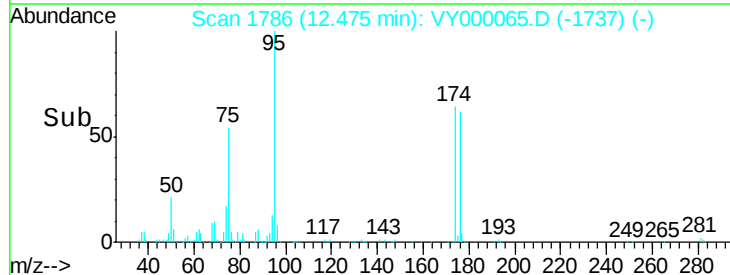
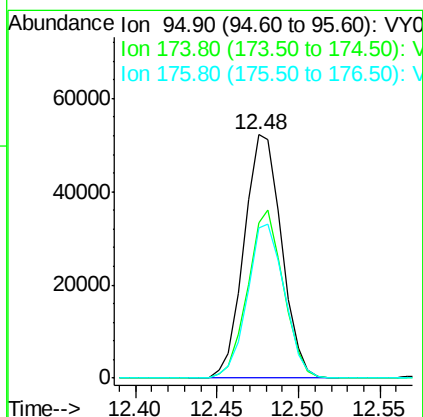
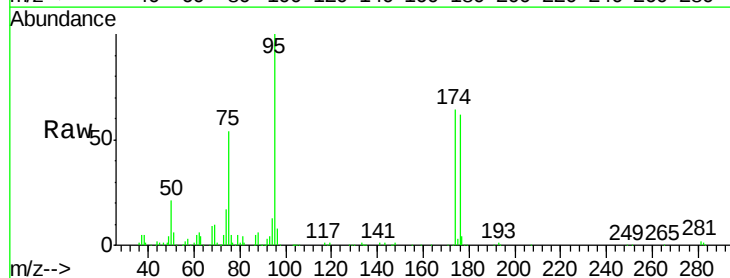
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

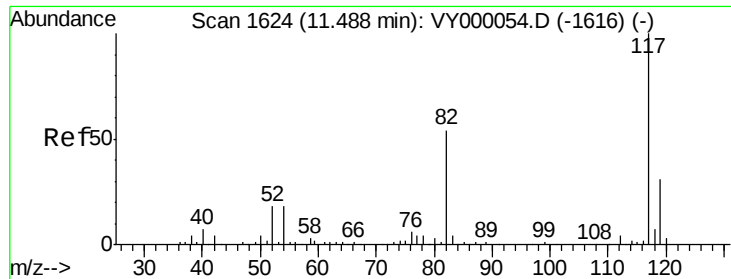
Tot Ion: 107 Resp: 4797
 Ion Ratio Lower Upper
 107 100
 109 82.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.992 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion: 95 Resp: 83450
 Ion Ratio Lower Upper
 95 100
 174 65.9 0.0 137.2
 176 62.6 0.0 135.0

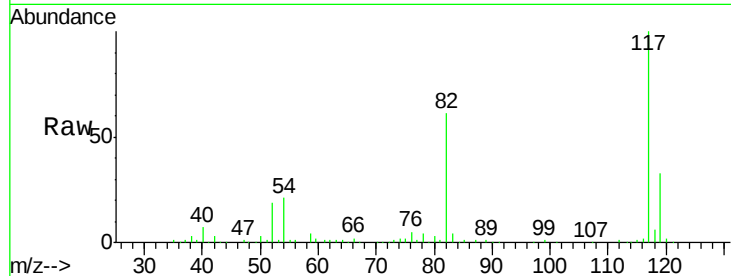




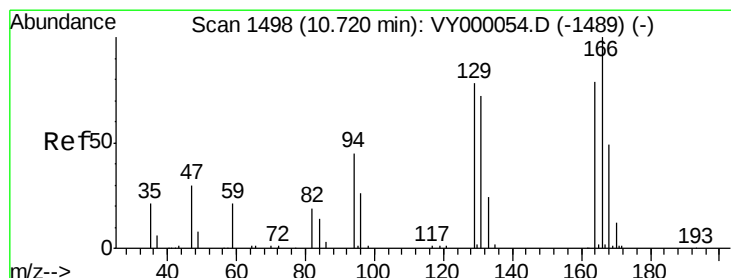
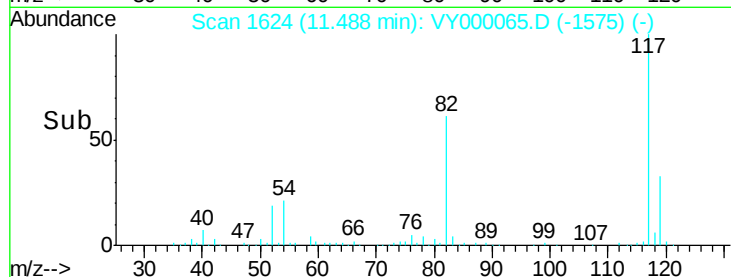
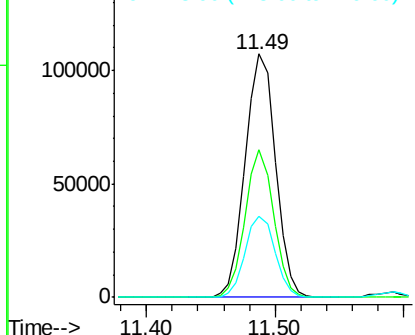
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion:117 Resp: 174625
Ion Ratio Lower Upper
117 100
82 60.5 43.5 65.3
119 33.2 24.6 36.8

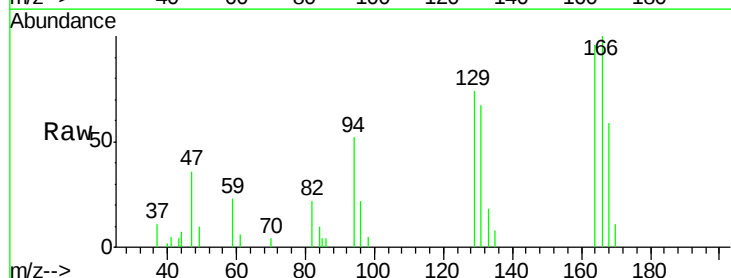


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

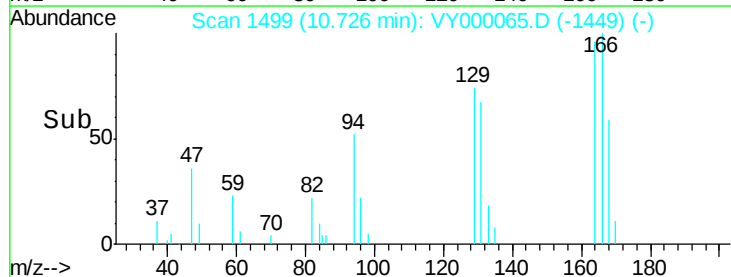
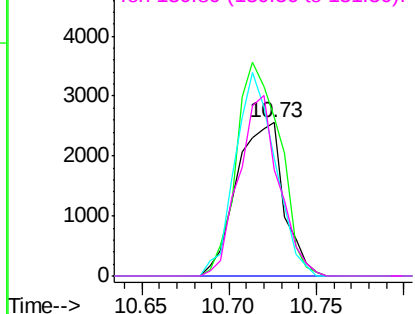


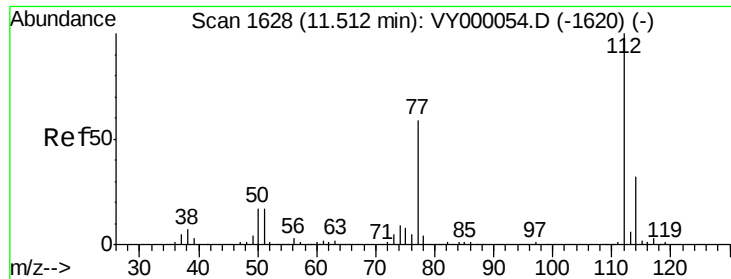
#64
Tetrachloroethene
Concen: 4.389 ug/l
RT: 10.73 min Scan# 1499
Delta R.T. 0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion:164 Resp: 4810
Ion Ratio Lower Upper
164 100
166 103.7 100.9 151.3
129 76.7 78.4 117.6#
131 69.0 72.2 108.2#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

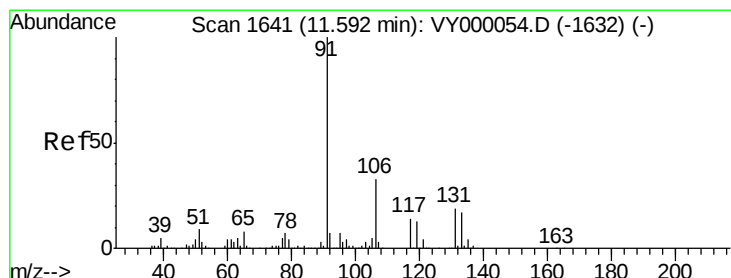
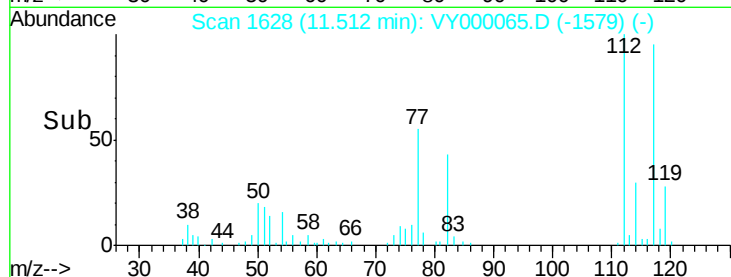
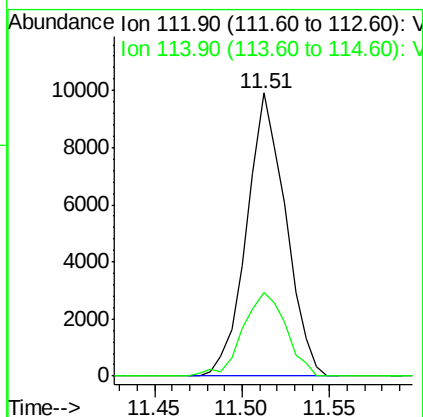
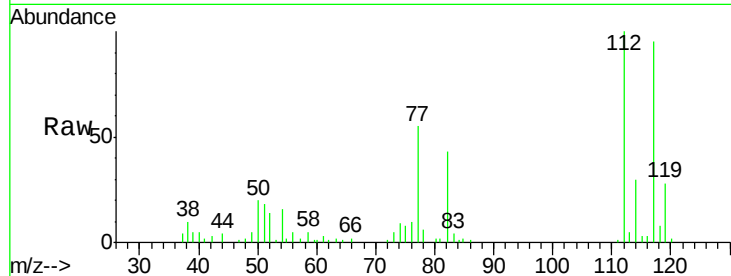




#65
Chlorobenzene
Concen: 4.457 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

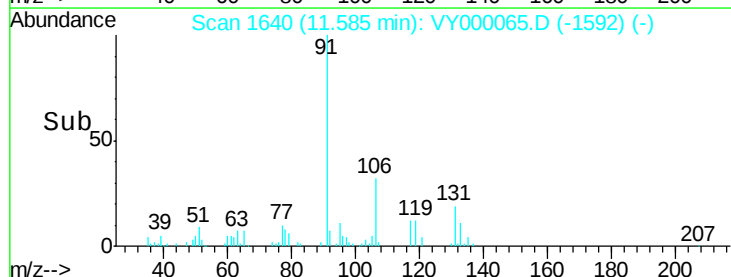
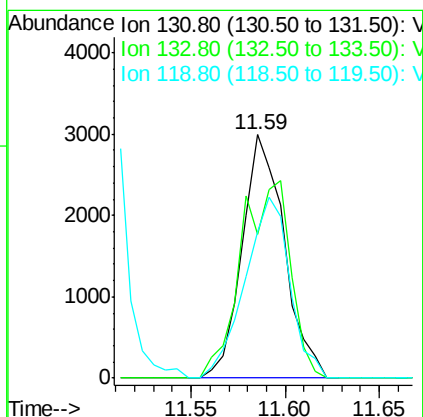
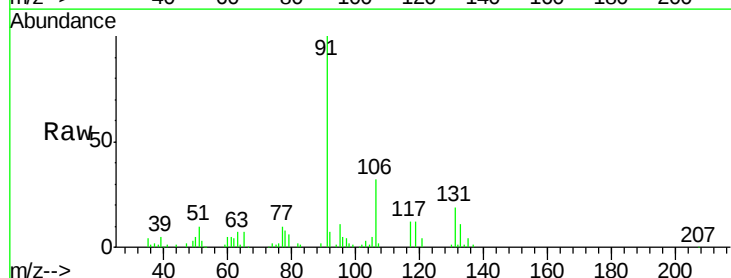
Instrument :
MSVOA_Y
ClientSampled :
MDL1

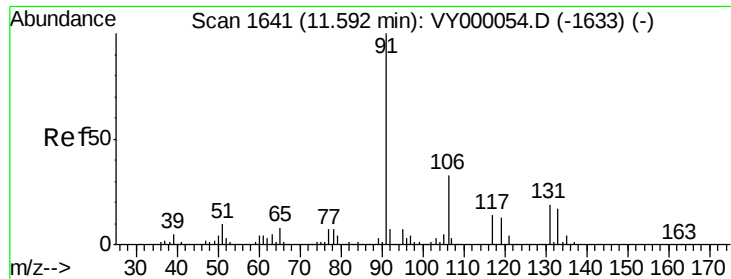
Tot Ion:112 Resp: 15395
Ion Ratio Lower Upper
112 100
114 29.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 3.963 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion:131 Resp: 4628
Ion Ratio Lower Upper
131 100
133 95.1 46.6 139.8
119 79.2 36.2 108.6

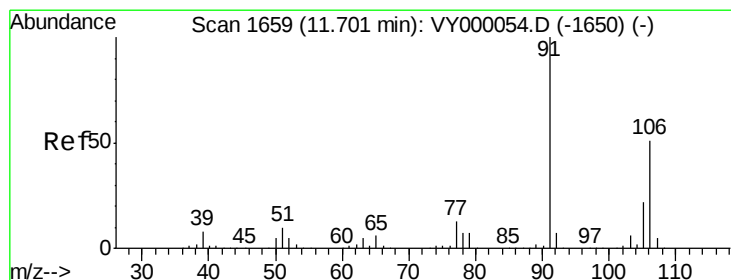
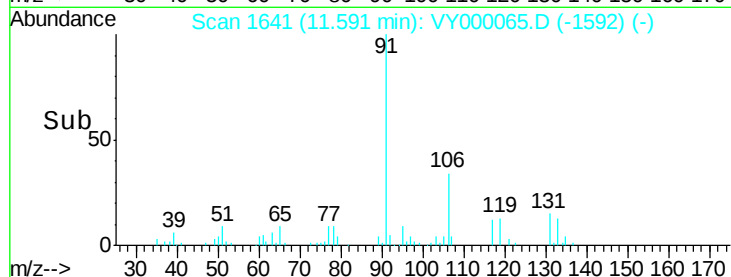
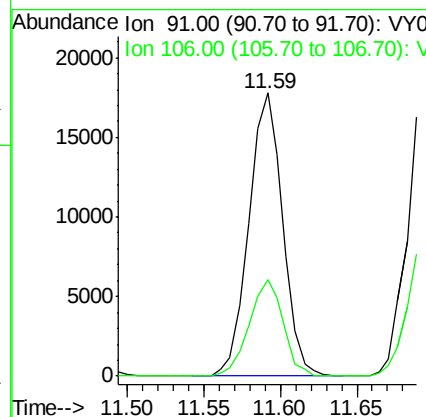
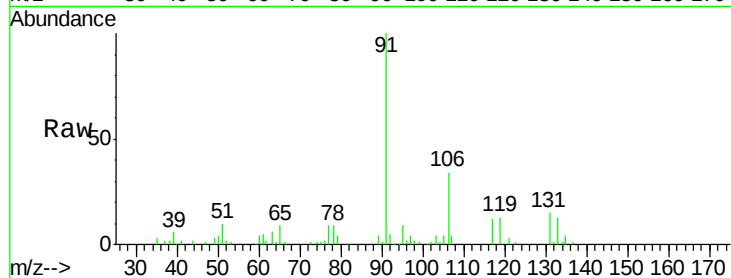




#67
Ethyl Benzene
Concen: 4.422 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

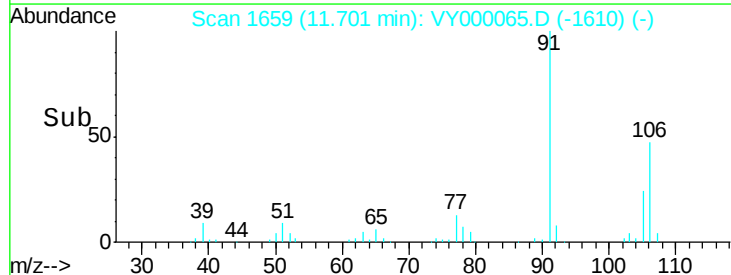
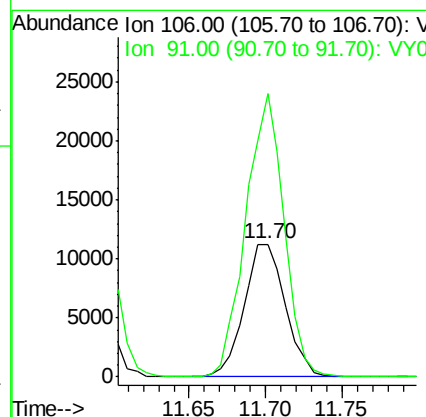
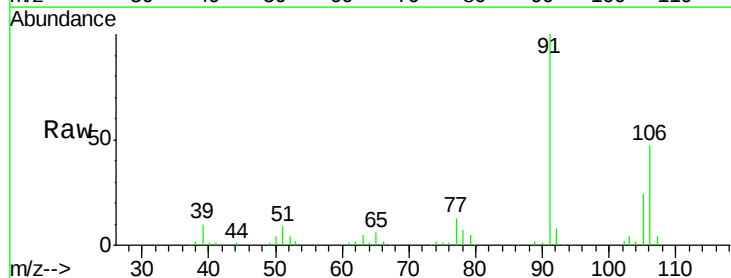
Instrument :
MSVOA_Y
ClientSampled :
MDL1

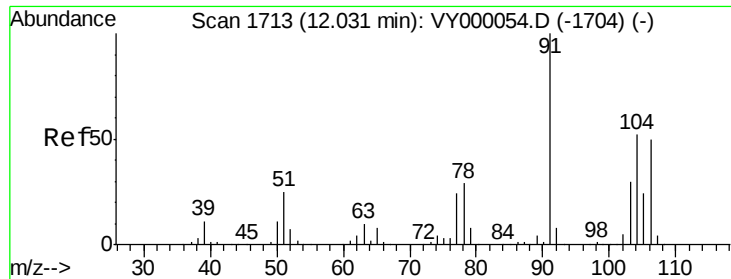
Tot Ion: 91 Resp: 27261
Ion Ratio Lower Upper
91 100
106 34.0 26.6 40.0



#68
m/p-Xylenes
Concen: 8.918 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion:106 Resp: 20919
Ion Ratio Lower Upper
106 100
91 198.4 154.5 231.7

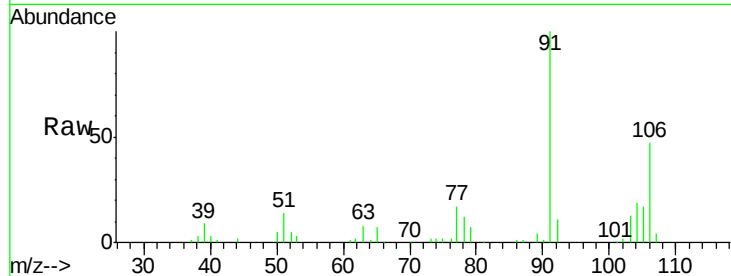




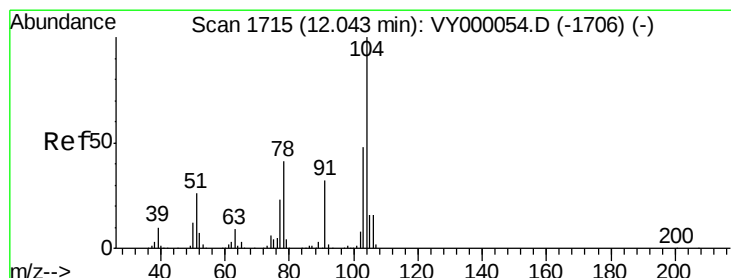
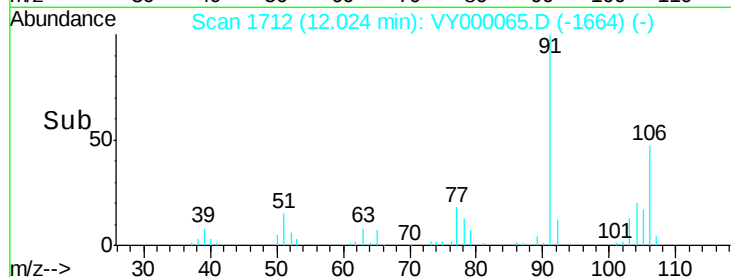
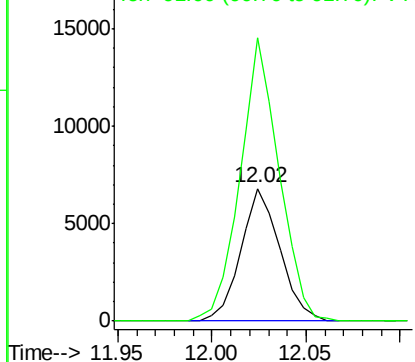
#69
o-Xylene
Concen: 4.300 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Instrument :
MSVOA_Y
ClientSampled :
MDL1

Tot Ion:106 Resp: 9766
Ion Ratio Lower Upper
106 100
91 212.3 103.5 310.3

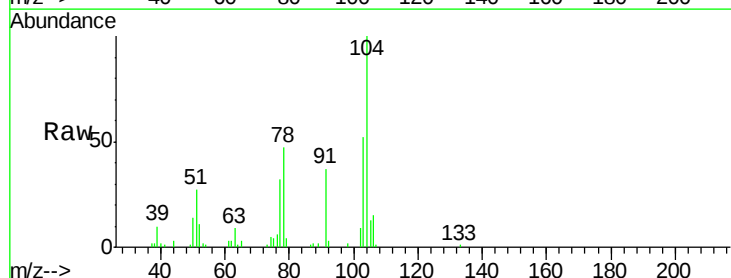


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

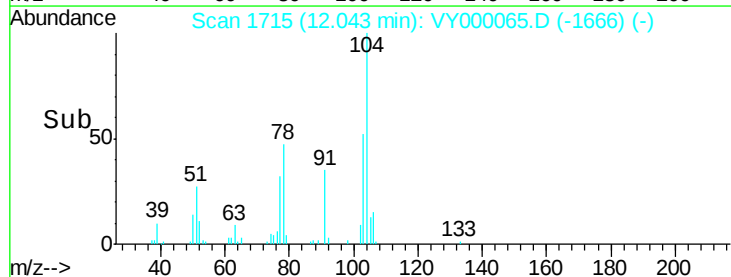
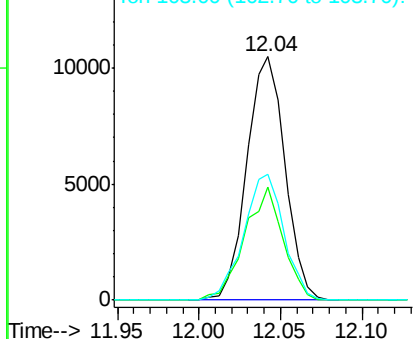


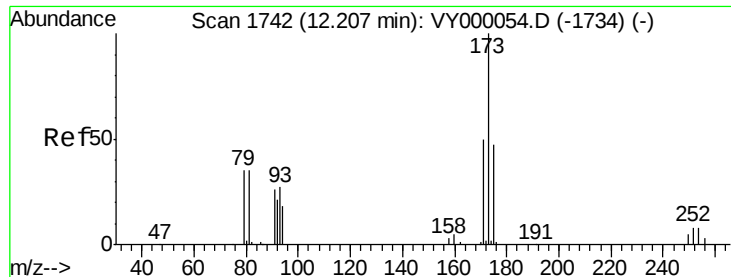
#70
Styrene
Concen: 4.270 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion:104 Resp: 17023
Ion Ratio Lower Upper
104 100
78 47.0 37.7 56.5
103 55.0 42.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.357 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

MDL1

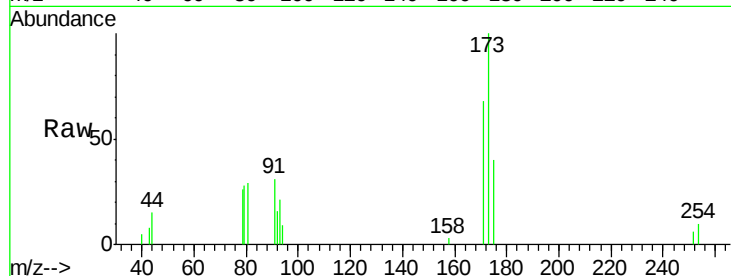
Tot Ion:173 Resp: 2946

Ion Ratio Lower Upper

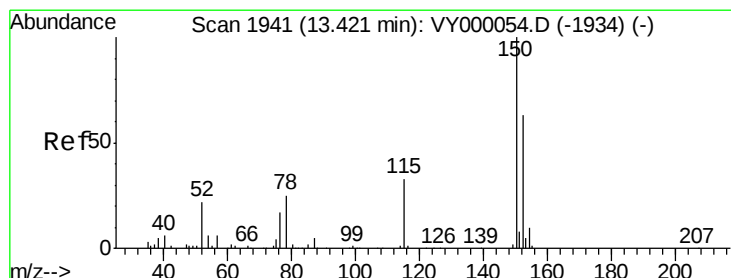
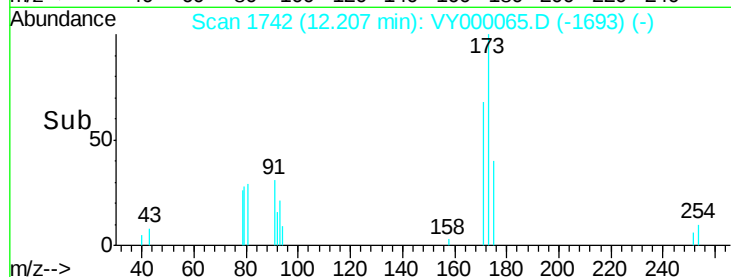
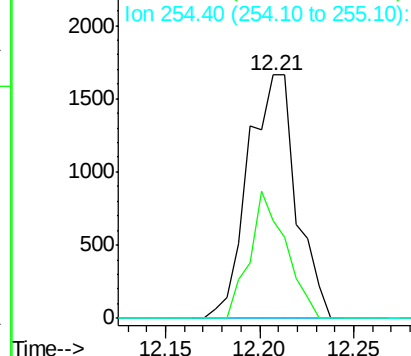
173 100

175 39.1 23.6 71.0

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: VY000065.D

Acq: 18 Sep 2019 17:04

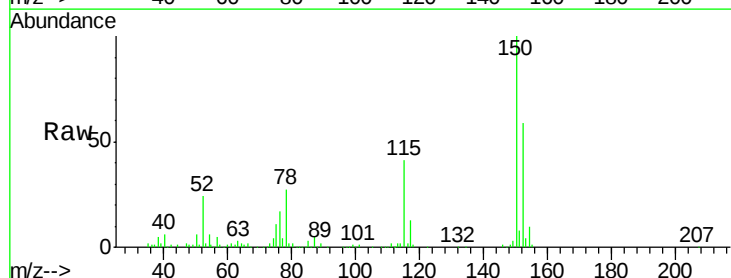
Tgt Ion:152 Resp: 73857

Ion Ratio Lower Upper

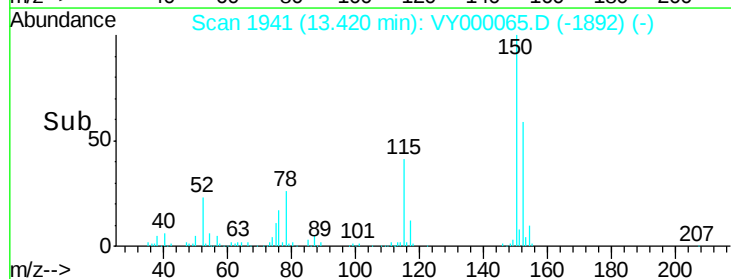
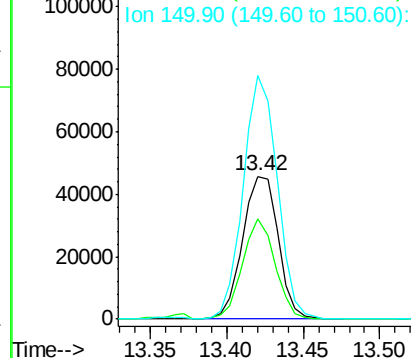
152 100

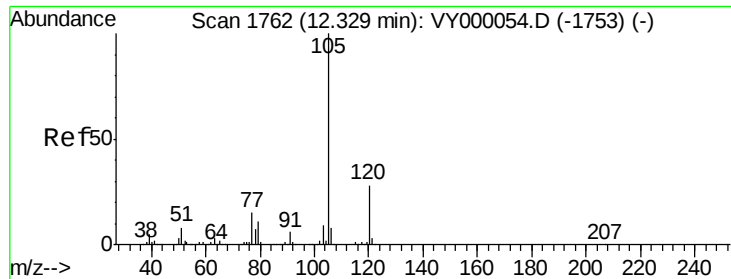
115 64.3 30.7 92.1

150 163.2 0.0 351.6



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: 4.496 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

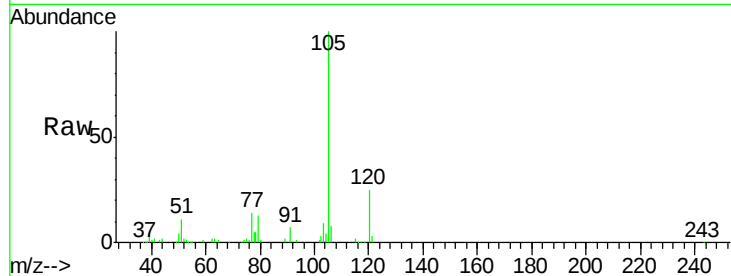
MDL1

Tot Ion:105 Resp: 26763

Ion Ratio Lower Upper

105 100

120 26.8 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

20000

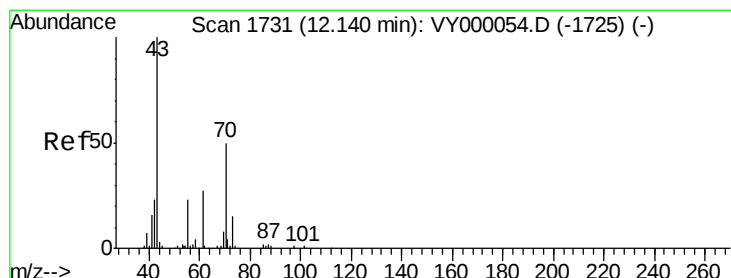
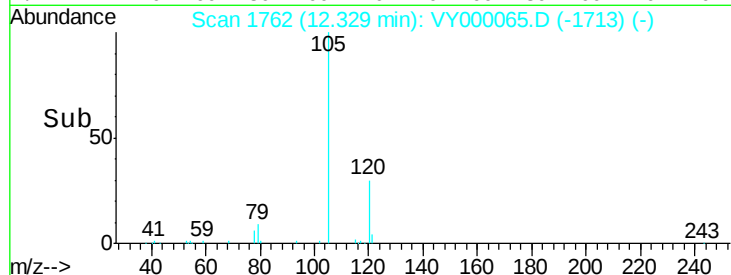
15000

10000

5000

0

Time--> 12.25 12.30 12.35



#74

N-ethyl acetate

Concen: 4.330 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Tgt Ion: 43 Resp: 7342

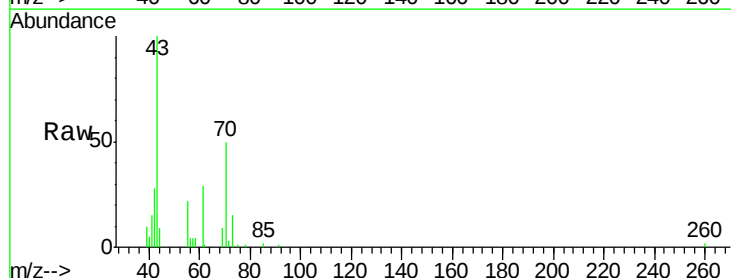
Ion Ratio Lower Upper

43 100

70 46.5 38.8 58.2

55 24.5 18.8 28.2

61 27.6 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

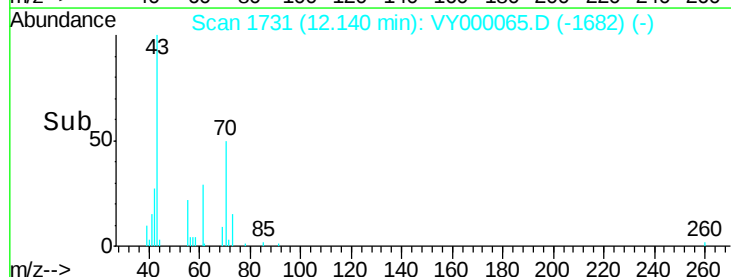
6000

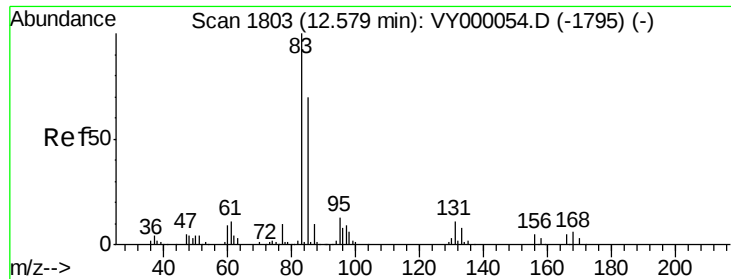
4000

2000

0

Time--> 12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 4.673 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

MDL1

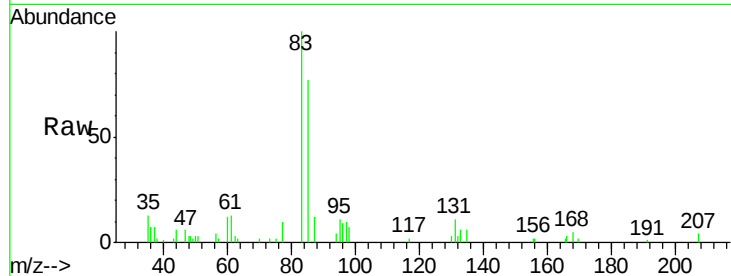
Tot Ion: 83 Resp: 6548

Ion Ratio Lower Upper

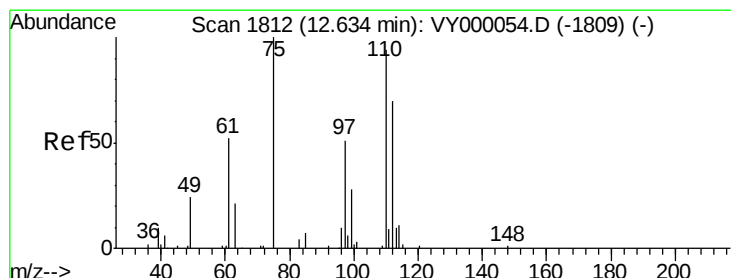
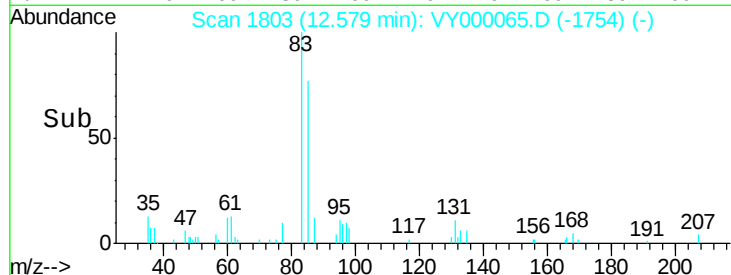
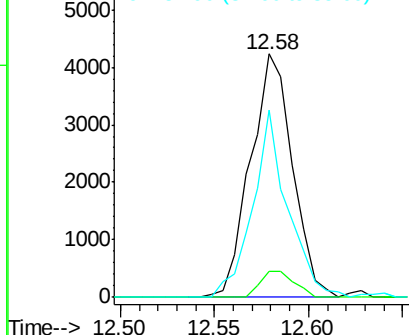
83 100

131 8.7 4.9 14.7

85 64.0 32.5 97.4



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: 8.360 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VY000065.D

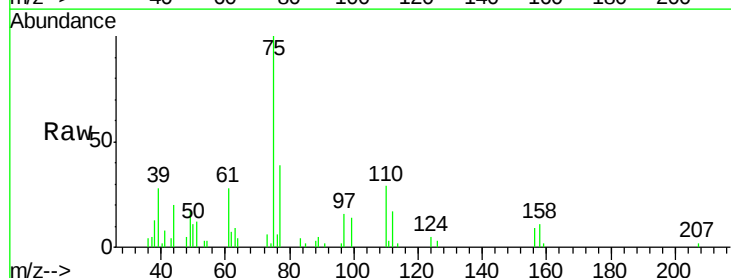
Acq: 18 Sep 2019 17:04

Tgt Ion: 75 Resp: 8687

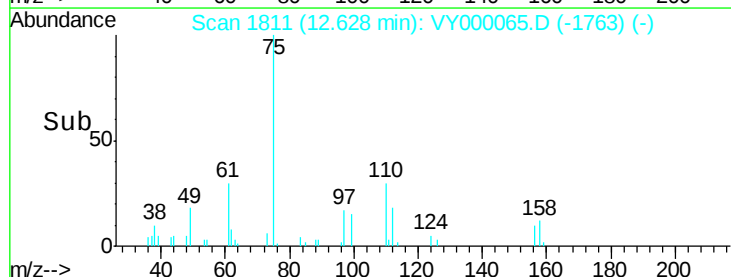
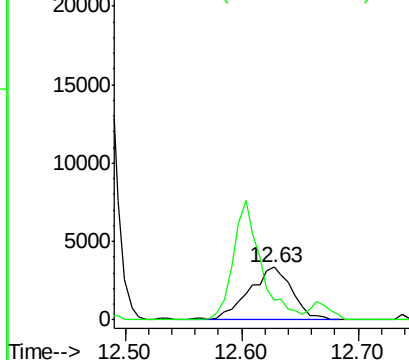
Ion Ratio Lower Upper

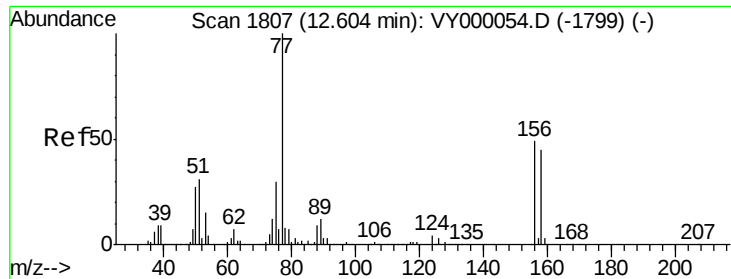
75 100

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: 4.458 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

MDL1

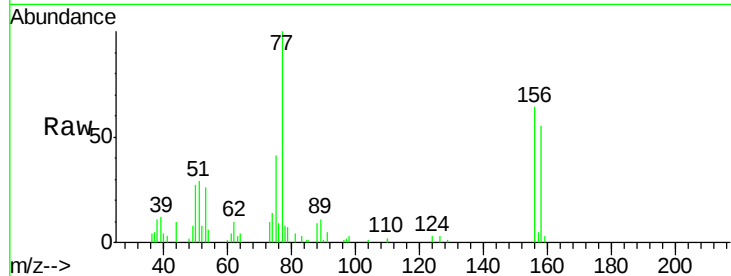
Tot Ion:156 Resp: 5541

Ion Ratio Lower Upper

156 100

77 229.8 109.7 329.0

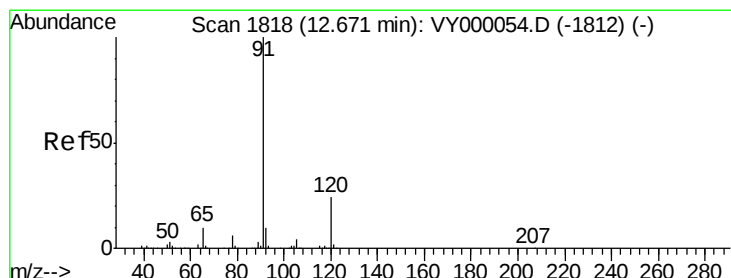
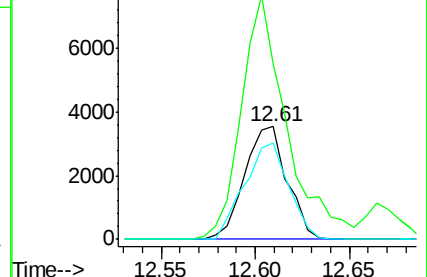
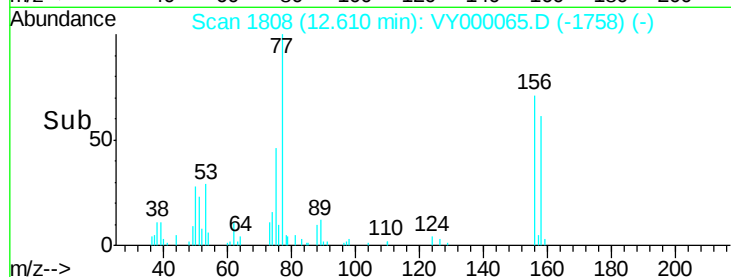
158 88.9 48.0 144.2



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: 4.516 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000065.D

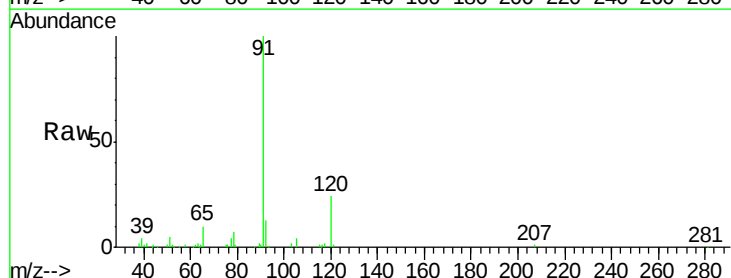
Acq: 18 Sep 2019 17:04

Tgt Ion: 91 Resp: 32790

Ion Ratio Lower Upper

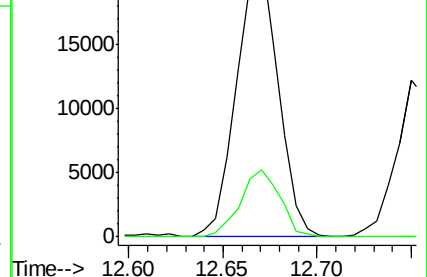
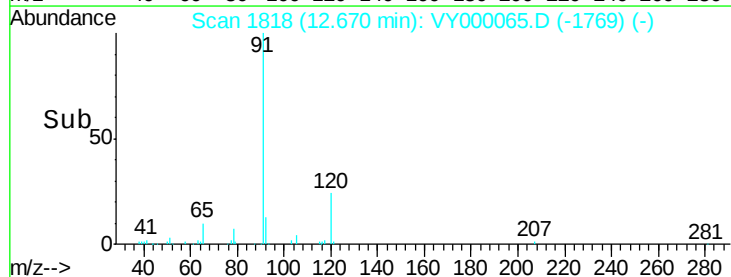
91 100

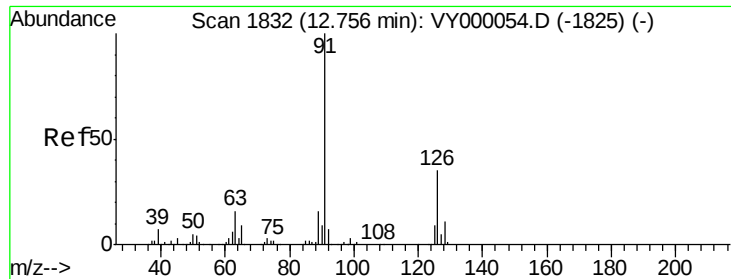
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.567 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

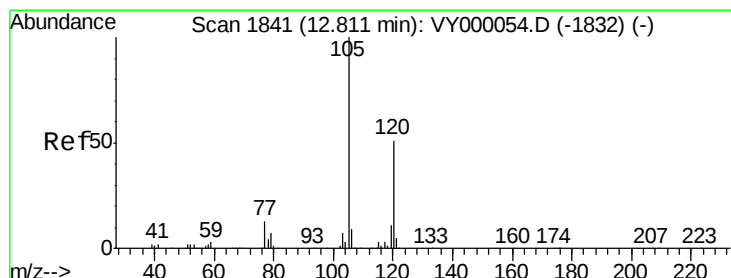
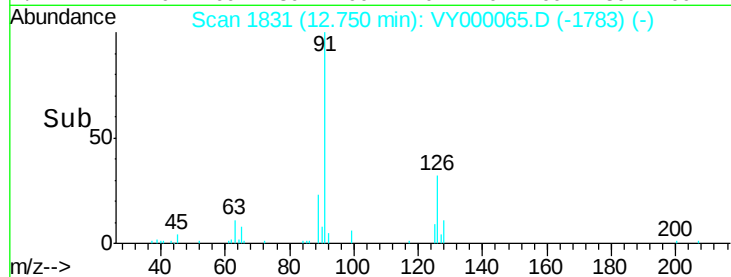
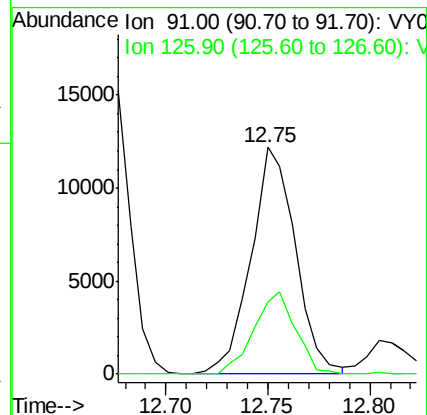
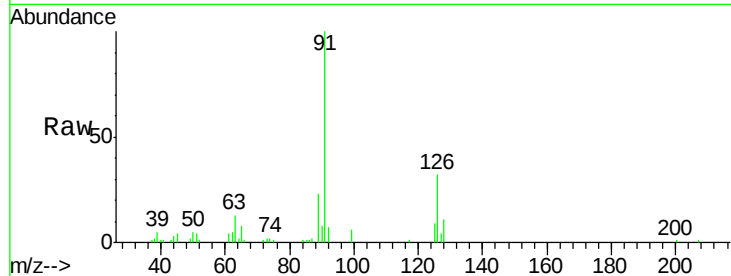
MDL1

Tot Ion: 91 Resp: 18538

Ion Ratio Lower Upper

91 100

126 33.7 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 4.486 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000065.D

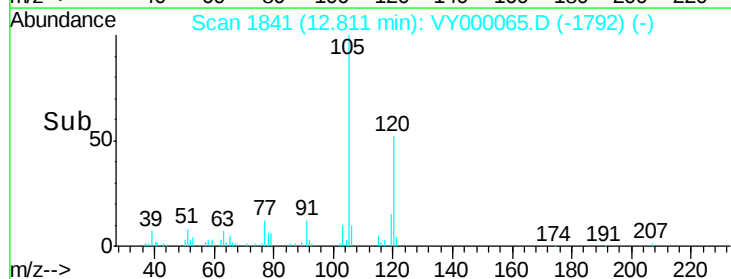
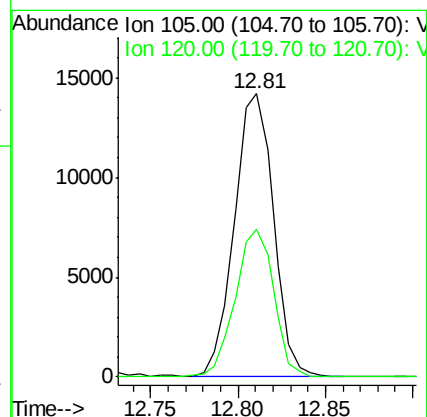
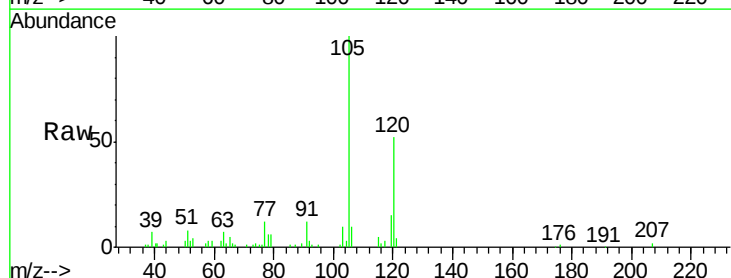
Acq: 18 Sep 2019 17:04

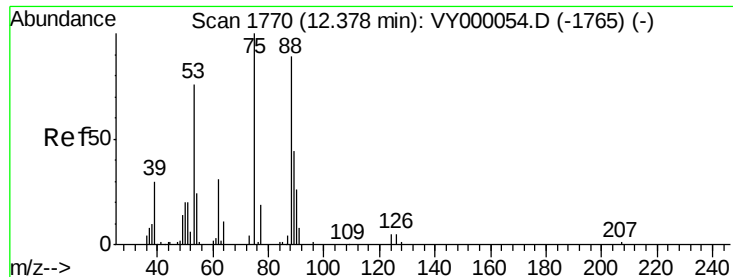
Tgt Ion: 105 Resp: 22119

Ion Ratio Lower Upper

105 100

120 51.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.942 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

MDL1

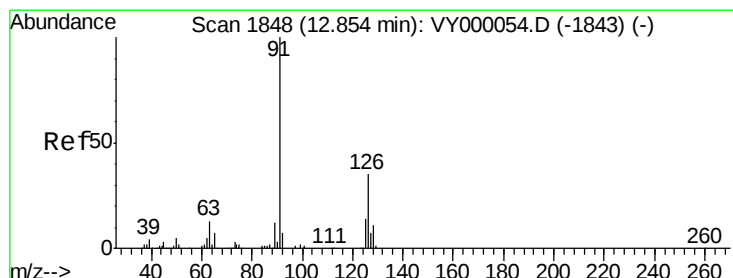
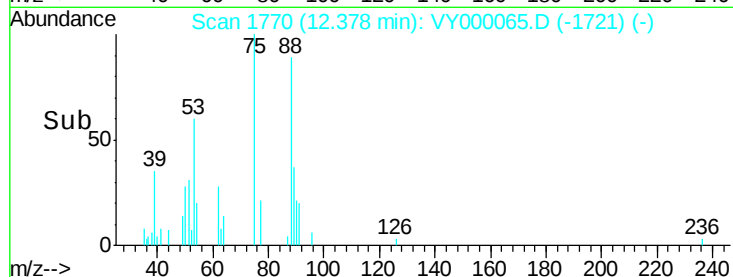
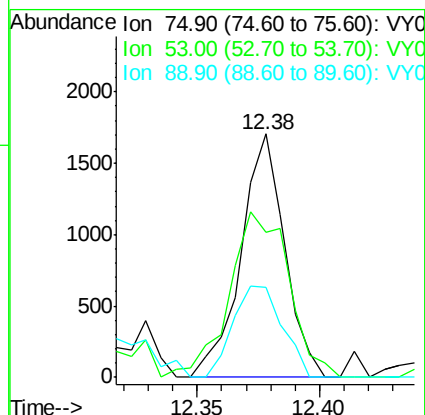
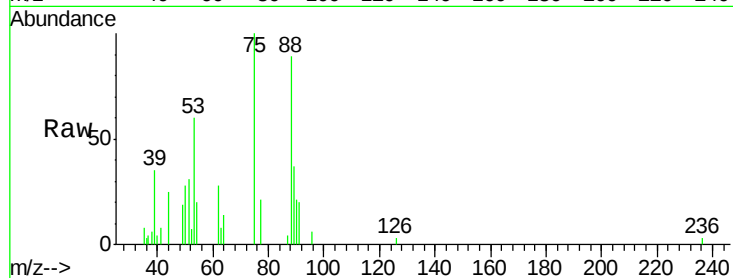
Tot Ion: 75 Resp: 2130

Ion Ratio Lower Upper

75 100

53 91.5 60.9 91.3#

89 42.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 4.522 ug/l

RT: 12.85 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VY000065.D

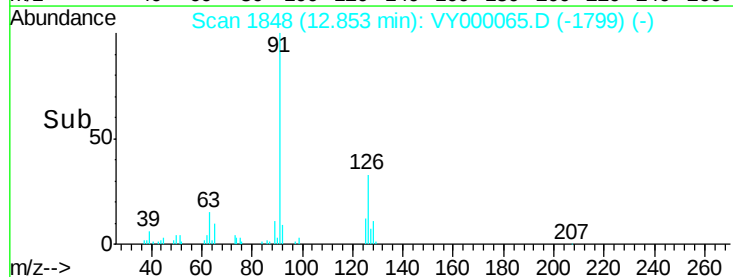
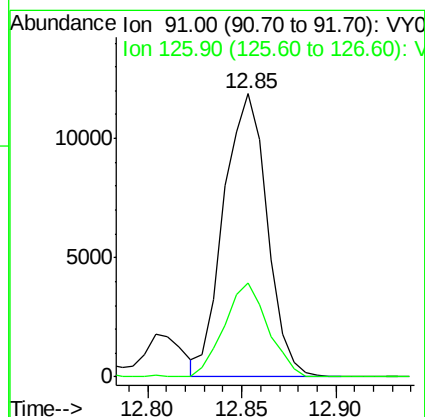
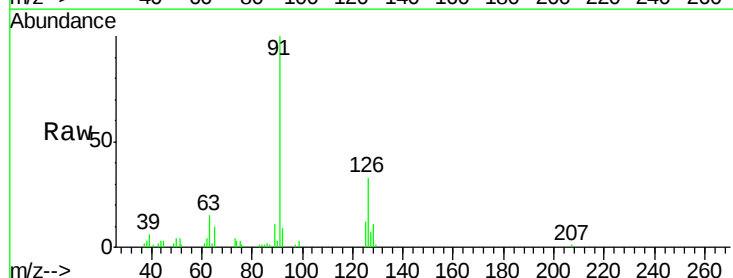
Acq: 18 Sep 2019 17:04

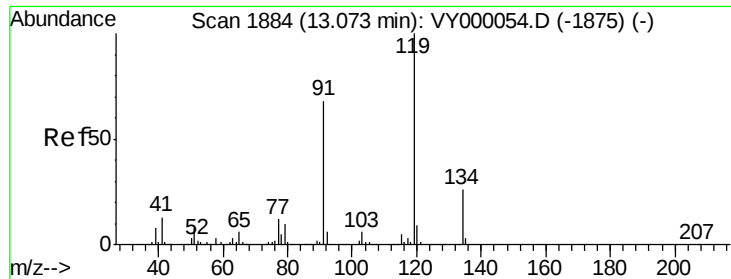
Tgt Ion: 91 Resp: 18978

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.1

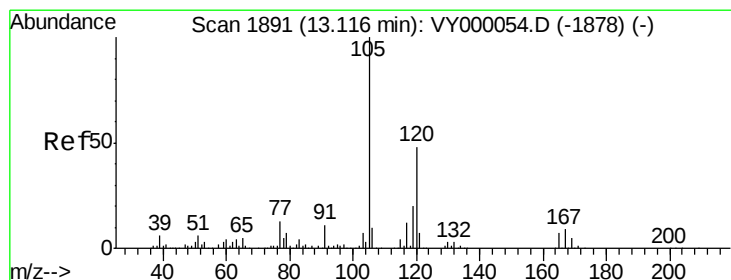
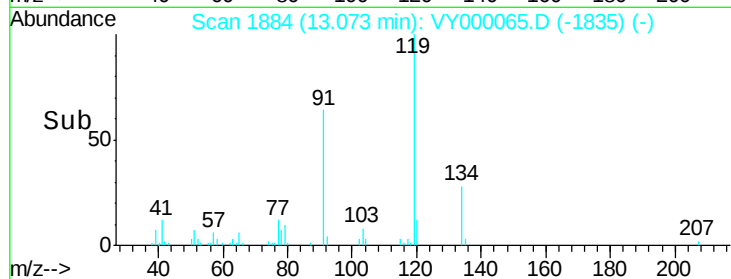
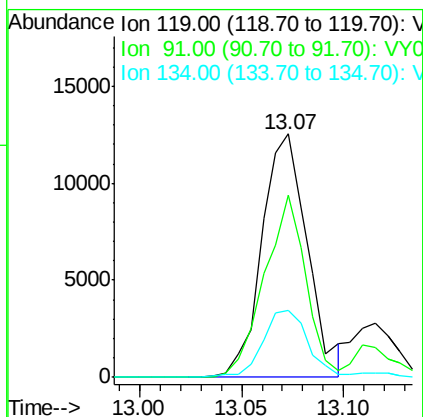
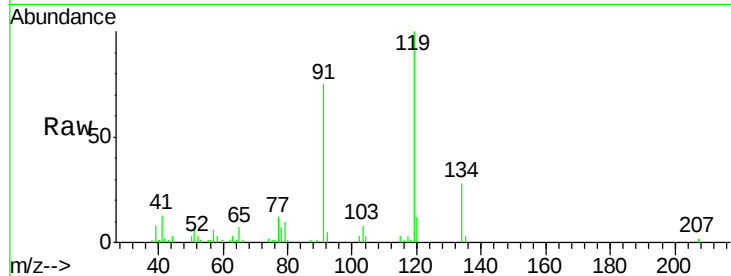




#83
tert-Butylbenzene
Concen: 4.622 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

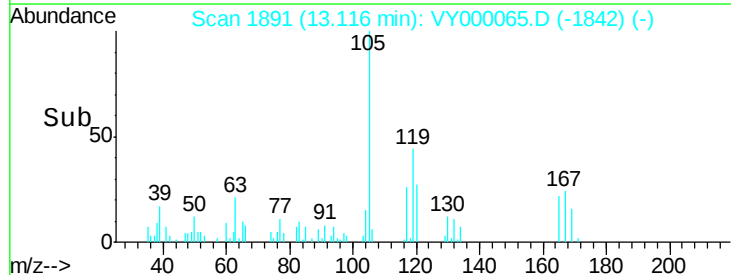
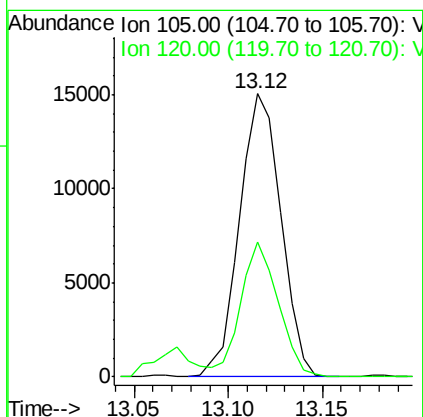
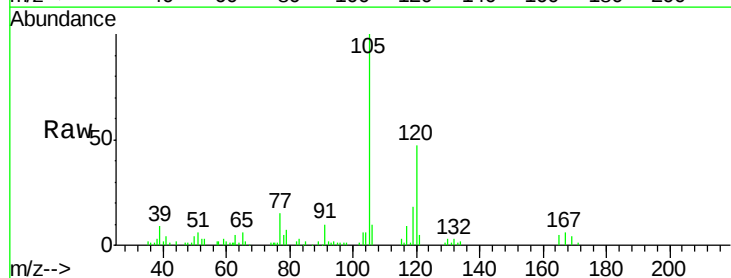
Instrument :
MSVOA_Y
ClientSampled :
MDL1

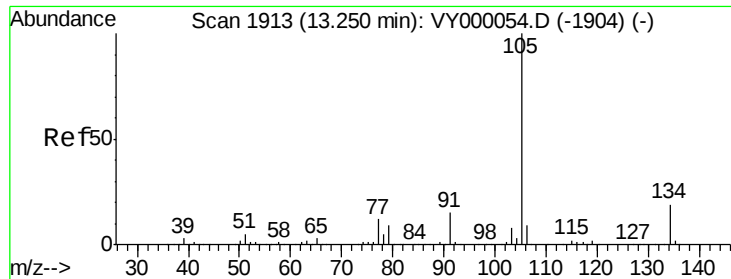
Tot Ion:119 Resp: 19498
Ion Ratio Lower Upper
119 100
91 68.0 33.4 100.1
134 27.6 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 4.724 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion:105 Resp: 22965
Ion Ratio Lower Upper
105 100
120 43.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 4.564 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

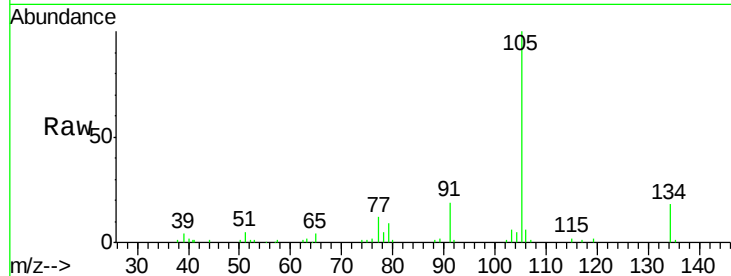
MDL1

Tot Ion:105 Resp: 28441

Ion Ratio Lower Upper

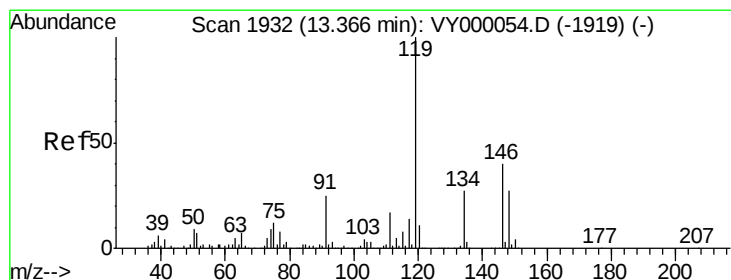
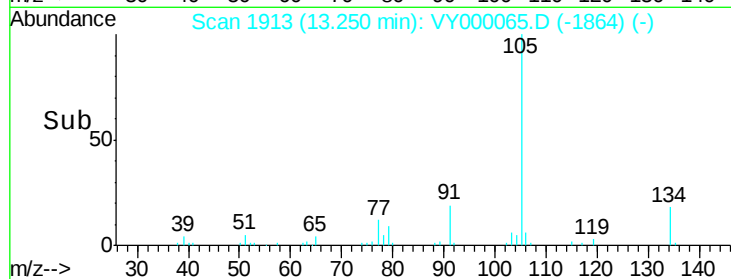
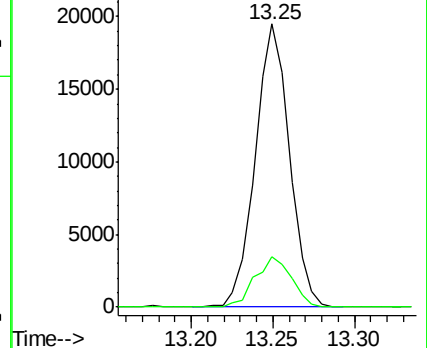
105 100

134 19.0 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.427 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

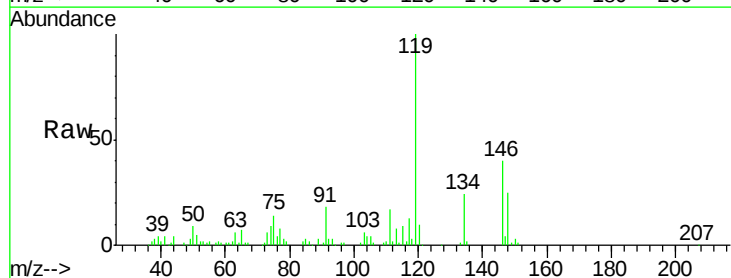
Tgt Ion:119 Resp: 23388

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

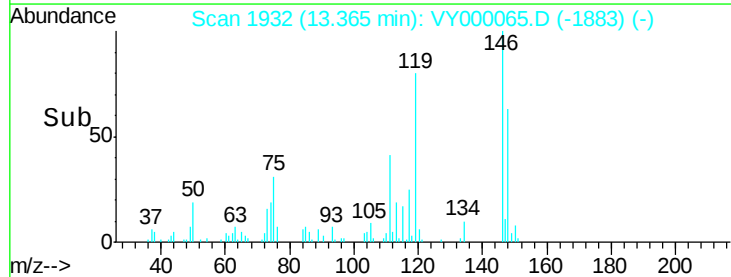
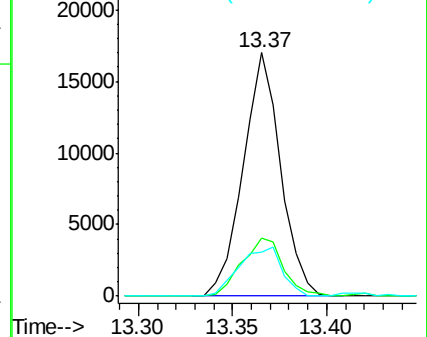
91 23.2 12.4 37.4

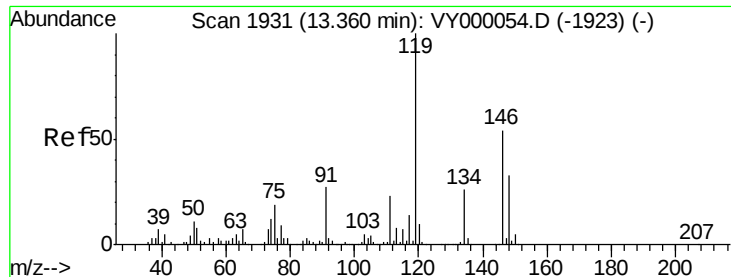


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

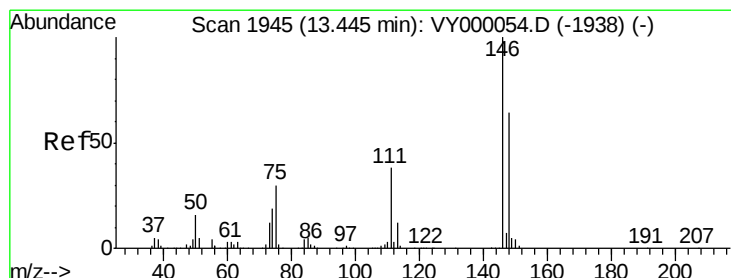
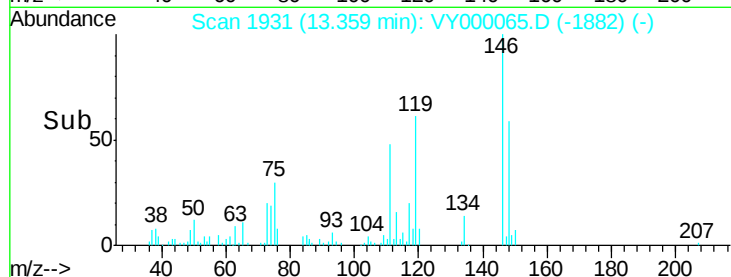
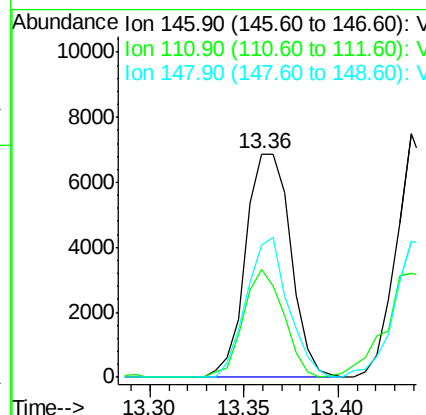
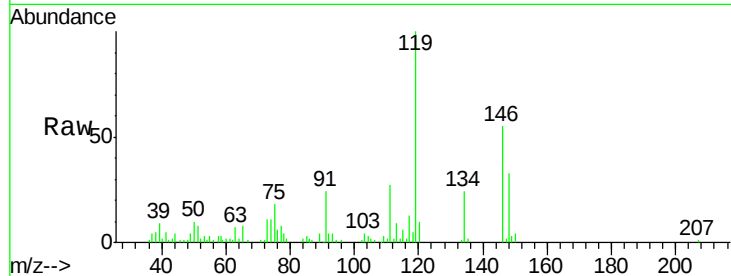




#87
 1,3-Dichlorobenzene
 Concen: 4.622 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

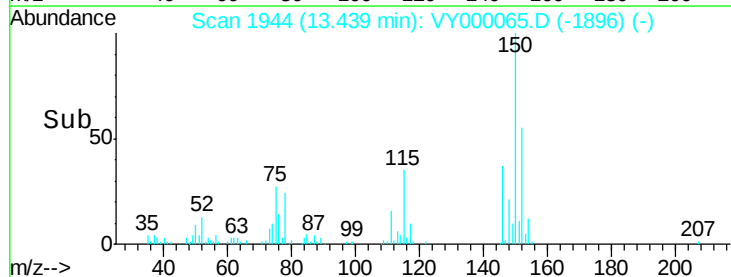
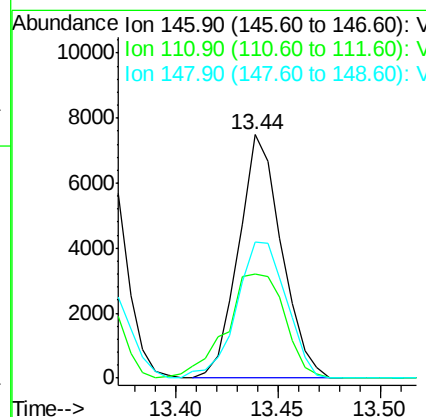
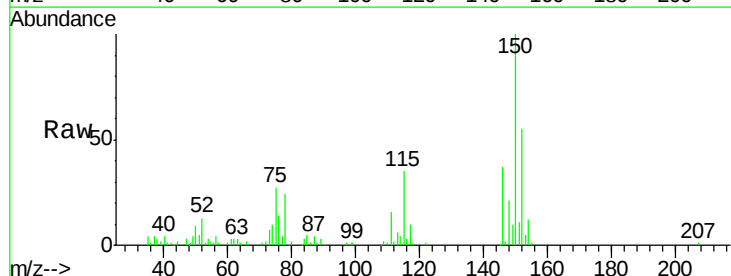
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

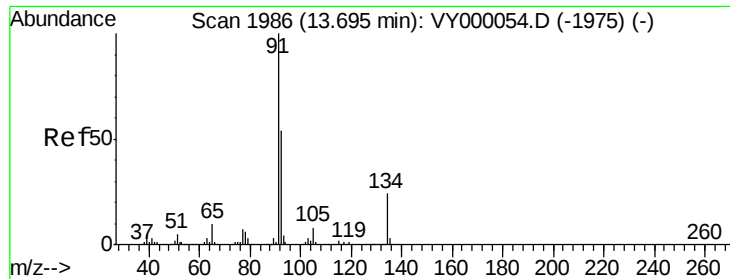
Tot Ion:146 Resp: 11395
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.1
 148 58.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 4.417 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion:146 Resp: 10943
 Ion Ratio Lower Upper
 146 100
 111 58.2 20.8 62.4
 148 64.7 31.5 94.5

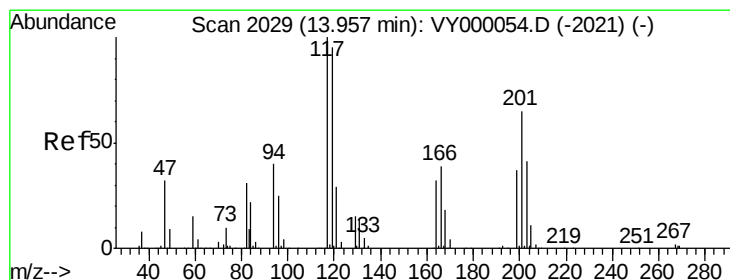
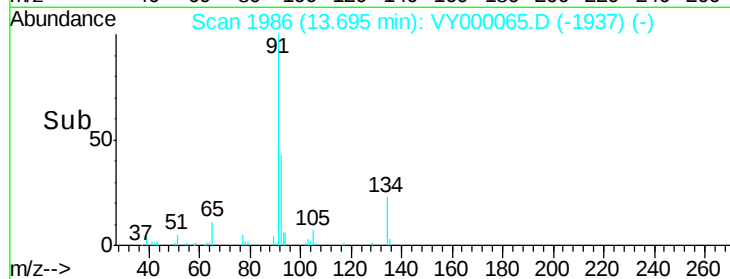
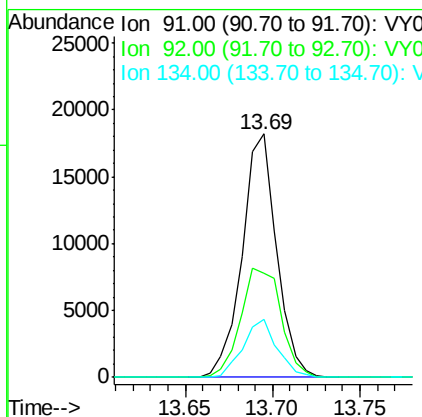
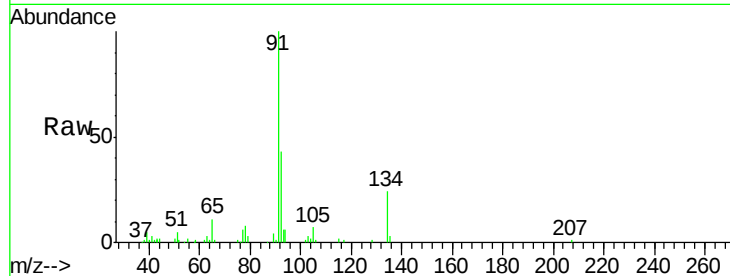




#89
n-Butylbenzene
Concen: 4.594 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

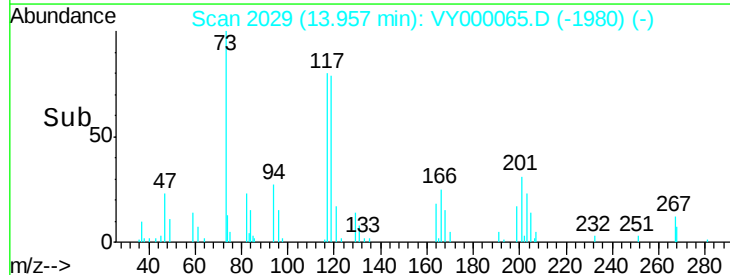
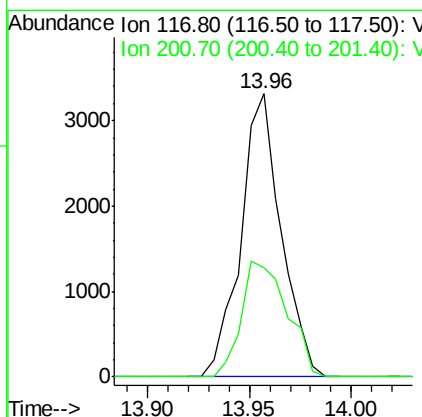
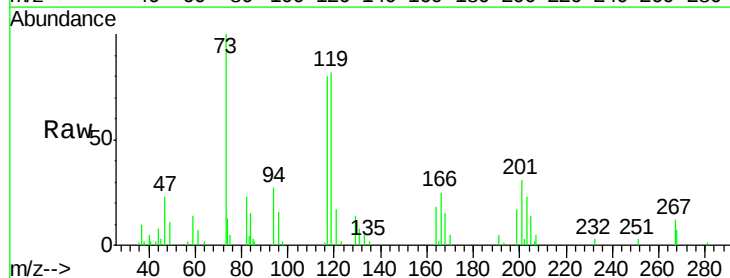
Instrument :
MSVOA_Y
ClientSampleId :
MDL1

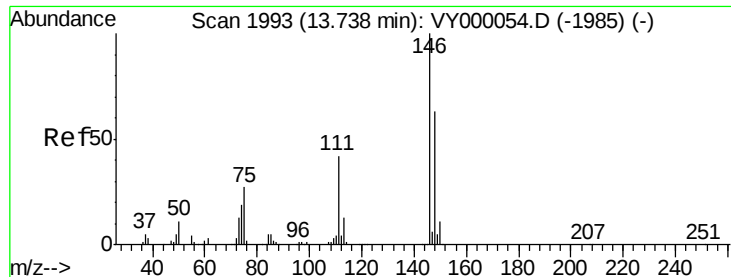
Tot Ion: 91 Resp: 24969
Ion Ratio Lower Upper
91 100
92 52.4 27.2 81.5
134 23.4 12.2 36.6



#90
Hexachloroethane
Concen: 4.381 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000065.D
Acq: 18 Sep 2019 17:04

Tgt Ion: 117 Resp: 4548
Ion Ratio Lower Upper
117 100
201 46.4 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 4.196 ug/l

RT: 13.73 min Scan# 1992

Delta R.T. -0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampled :

MDL1

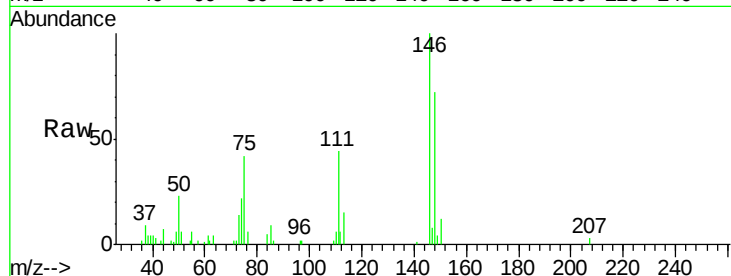
Tot Ion:146 Resp: 9719

Ion Ratio Lower Upper

146 100

111 47.4 21.9 65.7

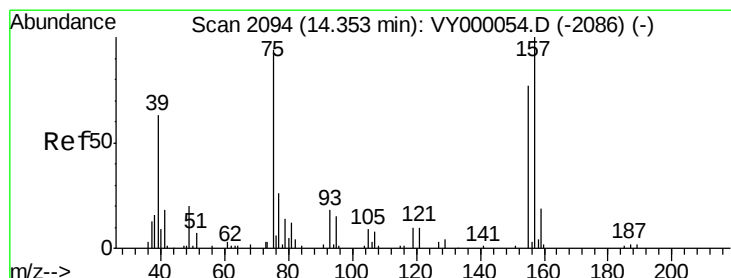
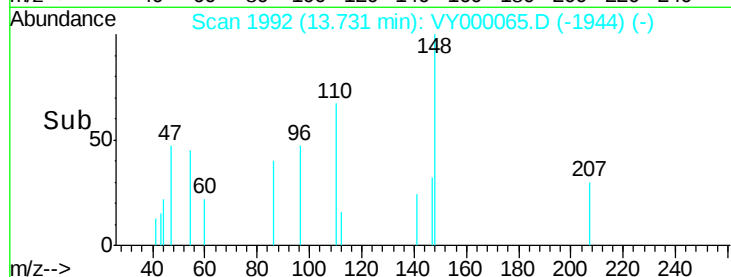
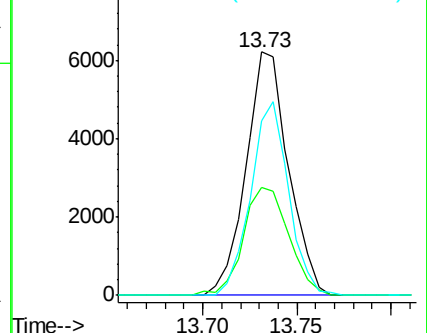
148 70.7 32.4 97.2



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: 4.441 ug/l

RT: 14.35 min Scan# 2093

Delta R.T. -0.01 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

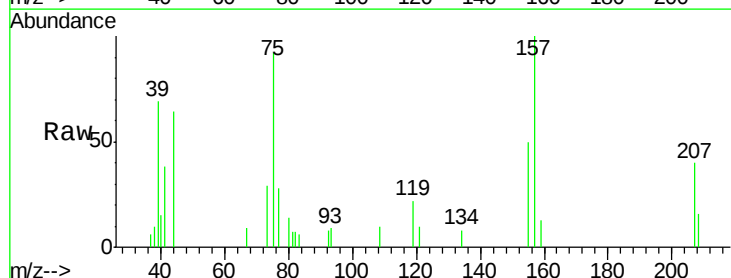
Tgt Ion: 75 Resp: 1108

Ion Ratio Lower Upper

75 100

155 76.4 40.6 121.7

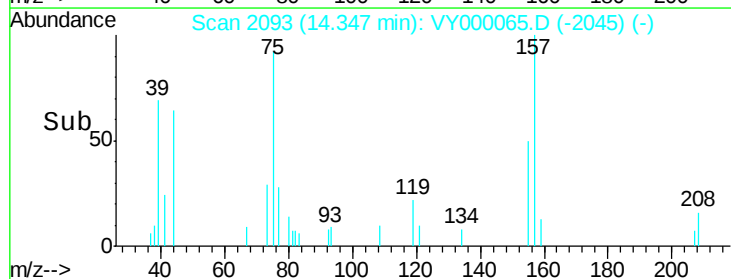
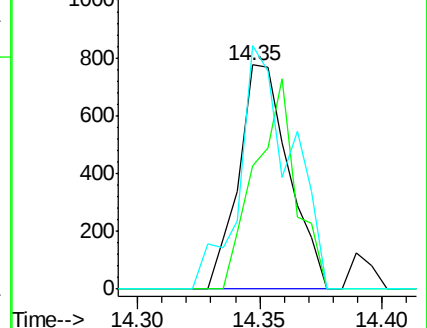
157 112.5 52.9 158.8

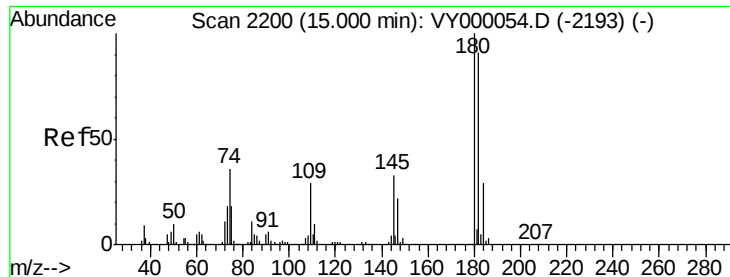


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

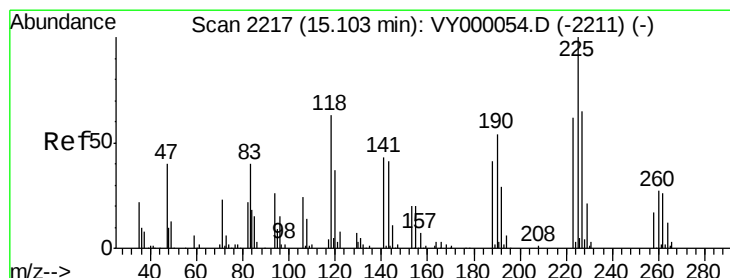
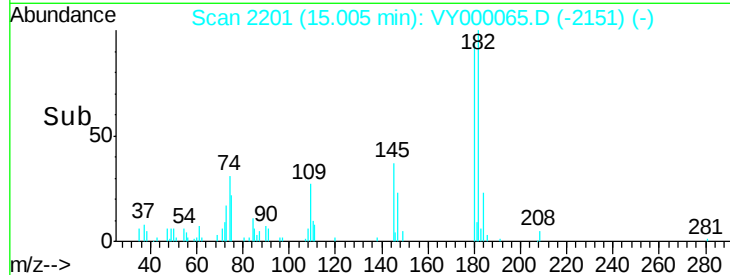
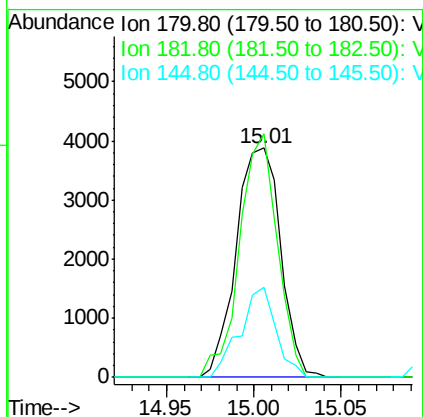
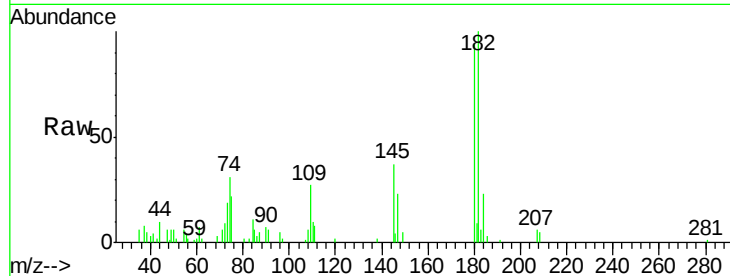




#93
 1,2,4-Trichlorobenzene
 Concen: 4.923 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

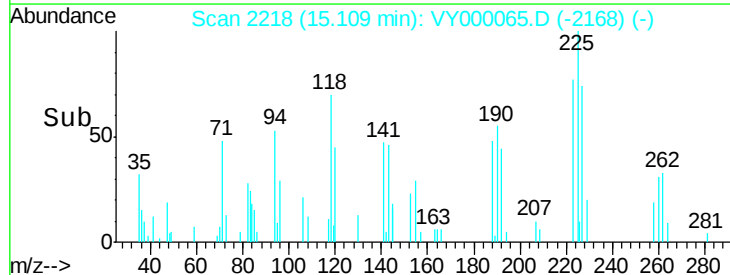
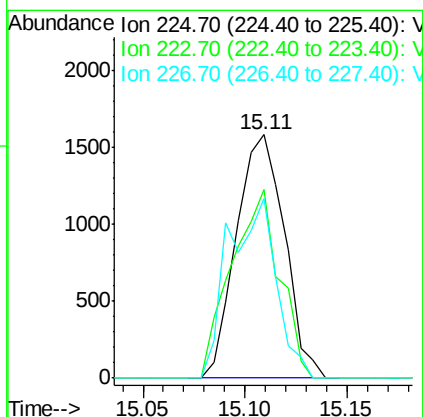
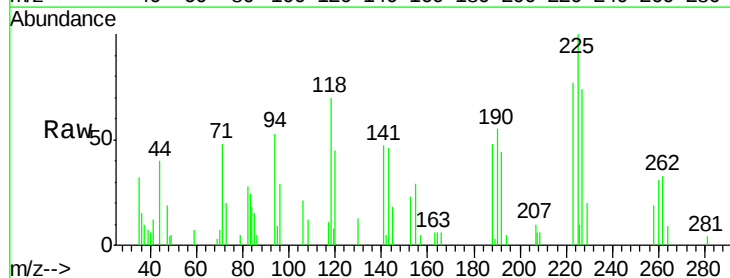
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

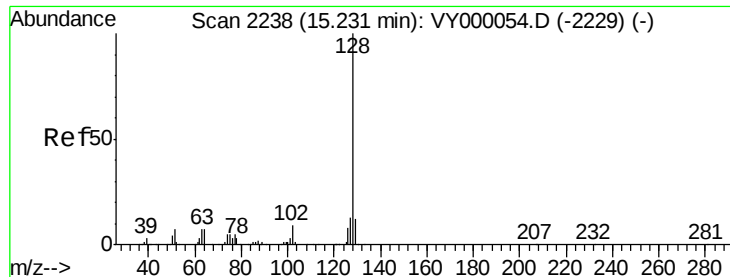
Tot Ion:180 Resp: 6881
 Ion Ratio Lower Upper
 180 100
 182 89.6 48.5 145.6
 145 31.6 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 3.855 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000065.D
 Acq: 18 Sep 2019 17:04

Tgt Ion:225 Resp: 2587
 Ion Ratio Lower Upper
 225 100
 223 77.5 31.9 95.5
 227 73.6 30.6 91.6





#95

Naphthalene

Concen: 4.318 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

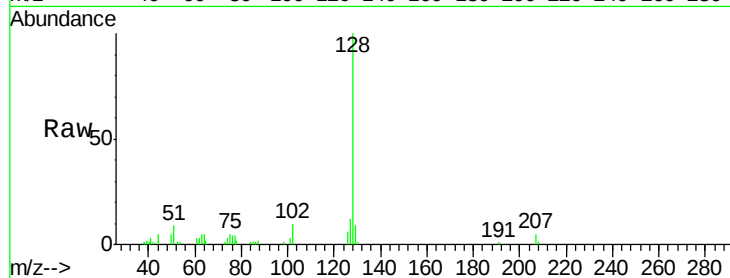
Tot Ion:128 Resp: 17135

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

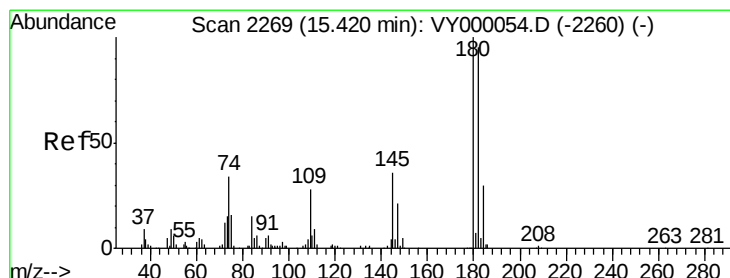
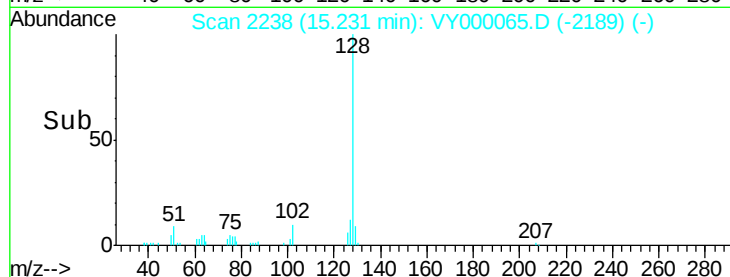
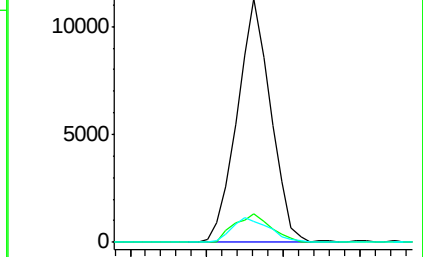
129 11.3 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.444 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000065.D

Acq: 18 Sep 2019 17:04

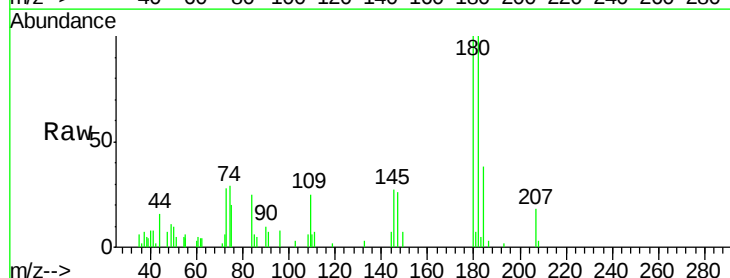
Tgt Ion:180 Resp: 5928

Ion Ratio Lower Upper

180 100

182 100.5 47.5 142.5

145 32.2 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

