

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000594.D
 Acq On : 07 Nov 2019 20:16
 Operator : SY/MD
 Sample : K5723-11
 Misc : 7.22G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:50:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	1778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	3440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	3049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	1114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	1193	64.84	ug/l	0.00
Spiked Amount			Recovery	=	129.68%	
35) Dibromofluoromethane	7.73	113	353	17.48	ug/l	0.00
Spiked Amount			Recovery	=	34.96%	
50) Toluene-d8	10.18	98	3915	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.48	95	1542	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	69	2.862	ug/l #	43
8) Diethyl Ether	3.65	74	19	1.768	ug/l #	4
13) Acrolein	3.61	56	26	16.665	ug/l #	14
14) Allyl chloride	4.39	41	55	1.904	ug/l #	28
15) Acrylonitrile	5.44	53	23	4.179	ug/l #	18
16) Acetone	3.96	43	83	16.367	ug/l #	42
17) Carbon Disulfide	4.35	76	65	1.160	ug/l #	74
18) Methyl Acetate	4.48	43	25	1.585	ug/l #	51
20) Methylene Chloride	4.71	84	202	9.296	ug/l #	53
21) trans-1,2-Dichloroethene	5.19	96	24	1.195	ug/l #	1
25) 2-Butanone	7.11	43	69	8.525	ug/l #	49
27) cis-1,2-Dichloroethene	7.18	96	33	1.503	ug/l #	1
29) Tetrahydrofuran	7.08	42	60	12.118	ug/l #	35
37) Ethyl Acetate	7.11	43	69	3.574	ug/l #	70
38) Carbon Tetrachloride	7.80	117	80	2.557	ug/l #	11
39) Methylcyclohexane	9.20	83	71	1.690	ug/l #	20
41) Methacrylonitrile	7.33	41	65	6.035	ug/l #	71
47) Bromodichloromethane	9.42	83	65	2.123	ug/l #	24
48) Methyl methacrylate	9.29	41	40	2.524	ug/l #	43
51) 4-Methyl-2-Pentanone	9.94	43	75	3.889	ug/l #	37
56) Ethyl methacrylate	10.64	69	61	2.306	ug/l #	1
57) 1,3-Dichloropropane	11.00	76	34	1.041	ug/l #	43
59) 2-Hexanone	10.83	43	97	6.904	ug/l #	24
60) Dibromochloromethane	11.23	129	25	1.169	ug/l #	10
61) 1,2-Dibromoethane	11.10	107	59	3.287	ug/l #	60
74) N-amyl acetate	12.16	43	73	3.096	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	95	5.827	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	54	4.257	ug/l #	100
77) Bromobenzene	12.67	156	67	3.589	ug/l #	1
78) n-propylbenzene	12.67	91	113	1.137	ug/l #	53
81) trans-1,4-Dichloro-2-buten	12.48	75	903	159.617	ug/l #	13
82) 4-Chlorotoluene	12.86	91	200	3.498	ug/l #	39
89) n-Butylbenzene	13.62	91	78	1.064	ug/l #	33
90) Hexachloroethane	13.91	117	19	1.382	ug/l #	14

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QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

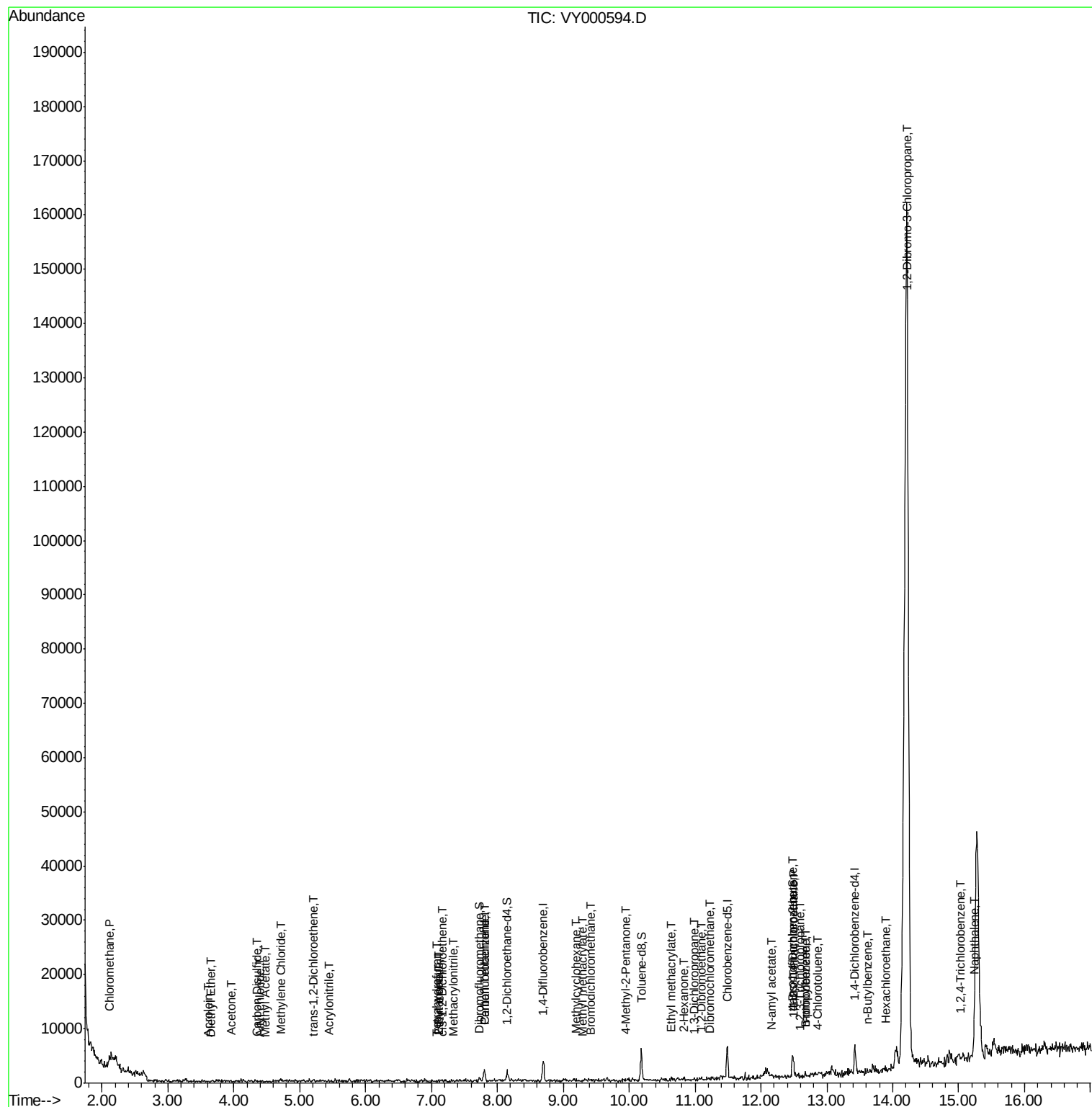
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.21	75	903	312.985	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.03	180	23	1.018	ug/l #	1
95) Naphthalene	15.23	128	171	3.410	ug/l #	70

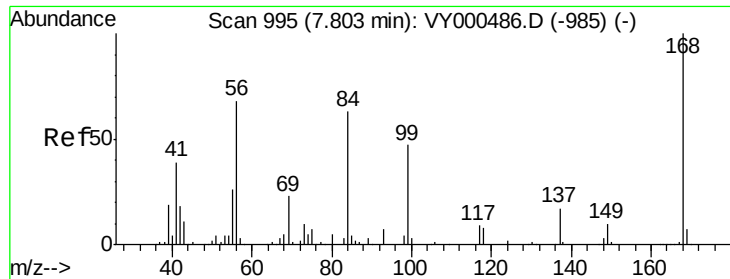
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

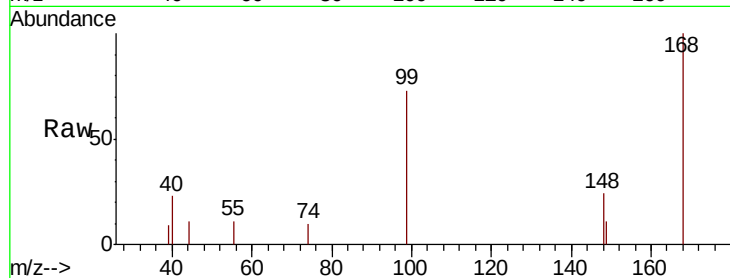
ClientSampleId :

Tot Ion:168 Resp: 1778

Ion Ratio Lower Upper

168 100

99 73.0 45.7 68.5#



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

800

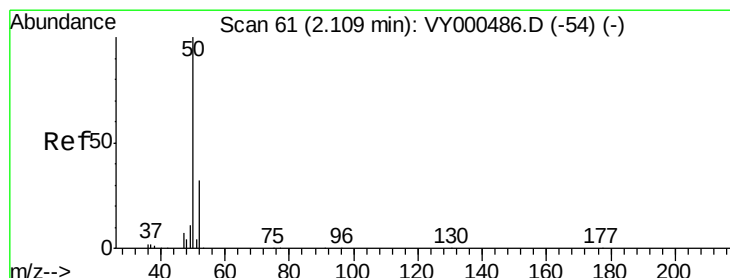
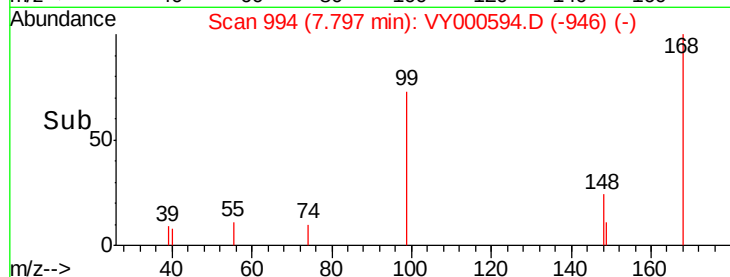
600

400

200

0

Time-->



#3

Chloromethane

Concen: 2.862 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000594.D

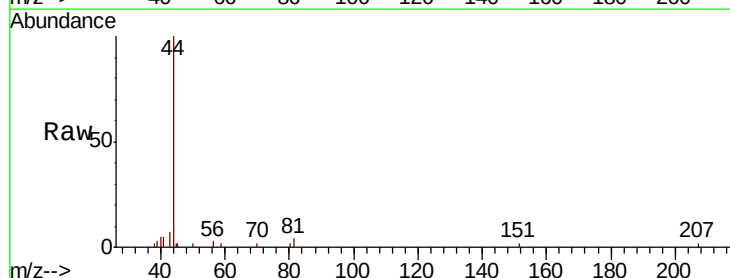
Acq: 07 Nov 2019 20:16

Tgt Ion: 50 Resp: 69

Ion Ratio Lower Upper

50 100

52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.12

80

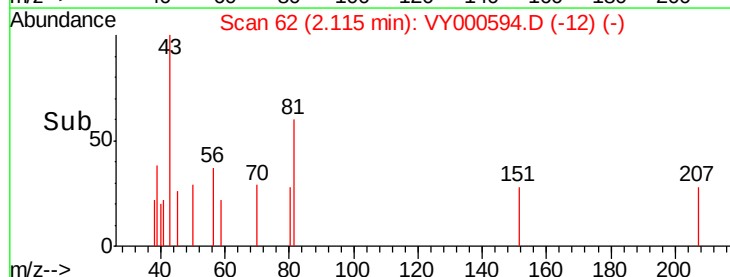
60

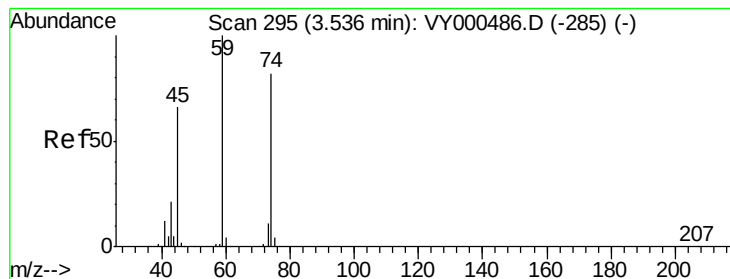
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.768 ug/l

RT: 3.65 min Scan# 314

Delta R.T. 0.12 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

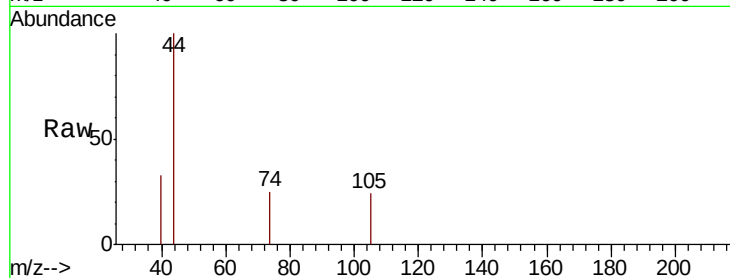
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 74 Resp: 19

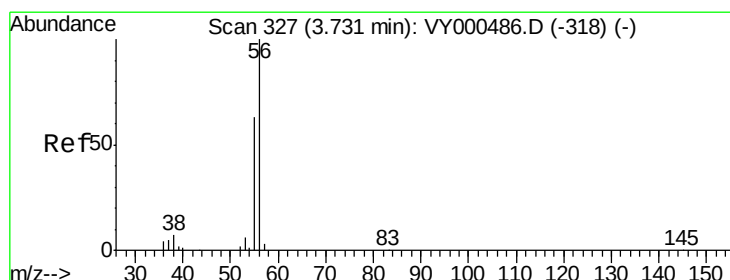
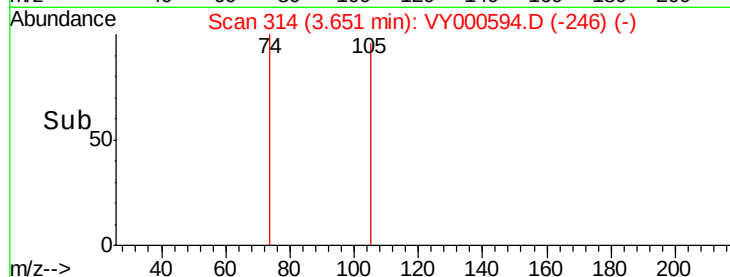
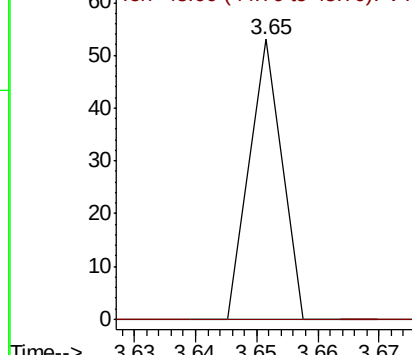
Ion Ratio Lower Upper

74 100

45 0.0 45.5 136.4#



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0



#13

Acrolein

Concen: 16.665 ug/l

RT: 3.61 min Scan# 307

Delta R.T. -0.12 min

Lab File: VY000594.D

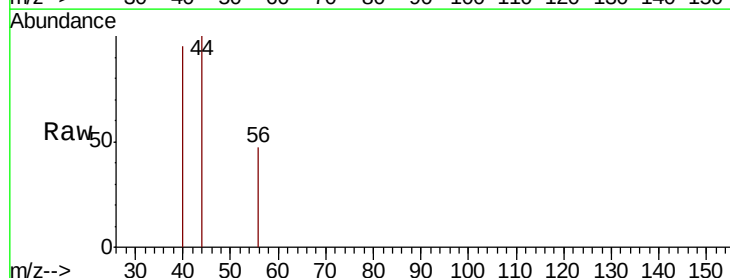
Acq: 07 Nov 2019 20:16

Tgt Ion: 56 Resp: 26

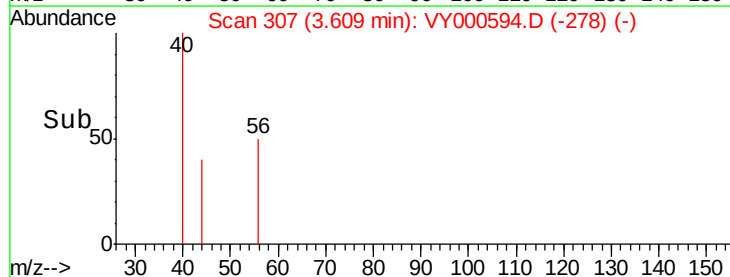
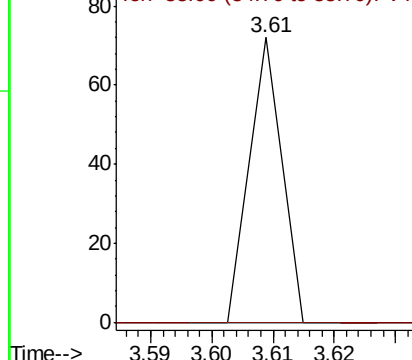
Ion Ratio Lower Upper

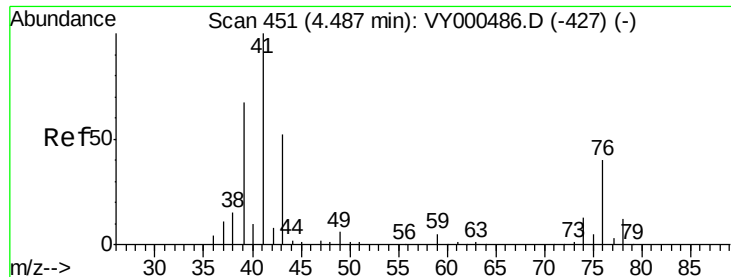
56 100

55 0.0 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0





#14

Allvl chloride

Concen: 1.904 ug/l

RT: 4.39 min Scan# 435

Delta R.T. -0.10 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampled :

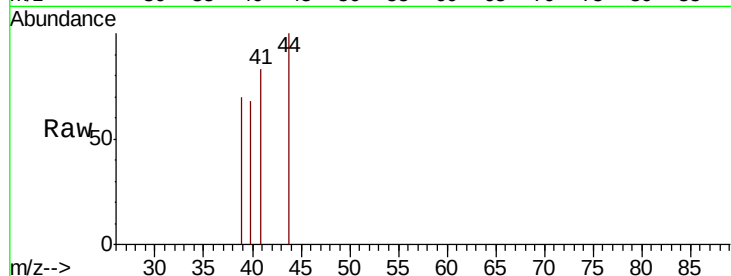
Tot Ion: 41 Resp: 55

Ion Ratio Lower Upper

41 100

39 129.1 53.6 80.4#

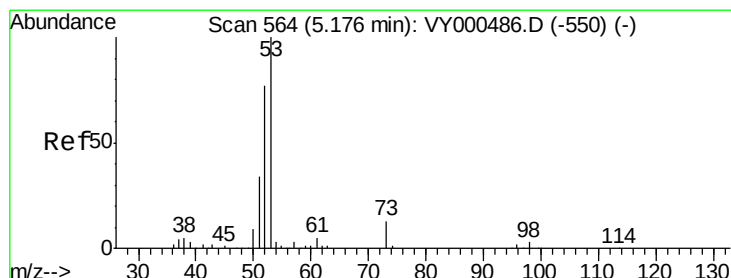
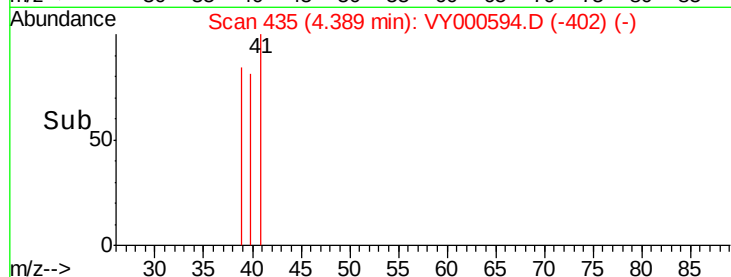
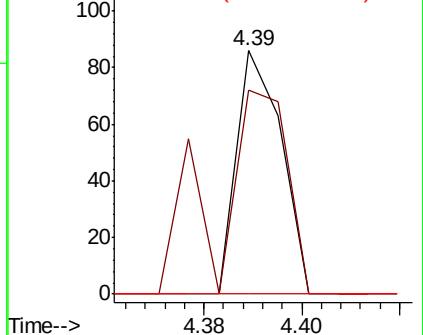
76 0.0 29.8 44.6#



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0



#15

Acrylonitrile

Concen: 4.179 ug/l

RT: 5.44 min Scan# 608

Delta R.T. 0.27 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

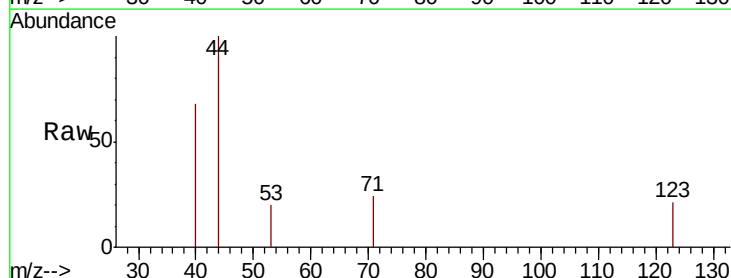
Tgt Ion: 53 Resp: 23

Ion Ratio Lower Upper

53 100

52 0.0 64.9 97.3#

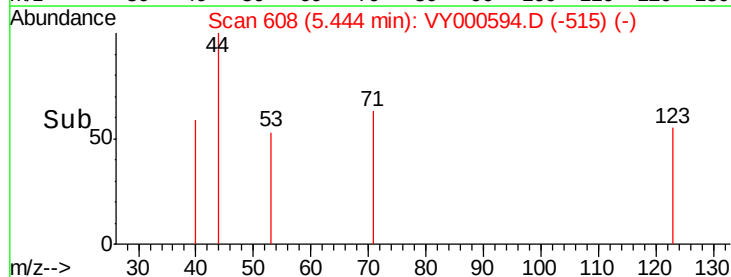
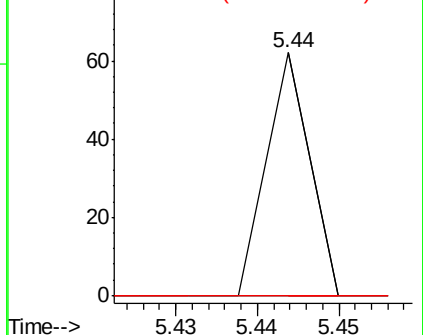
51 0.0 27.6 41.4#

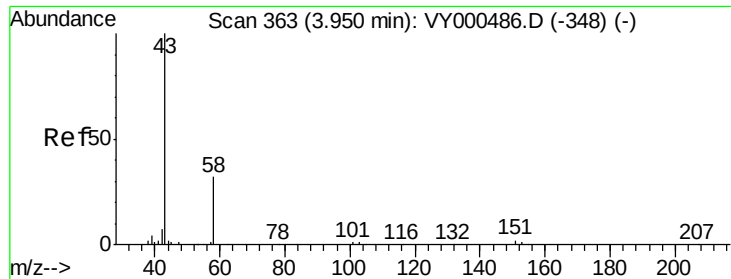


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0

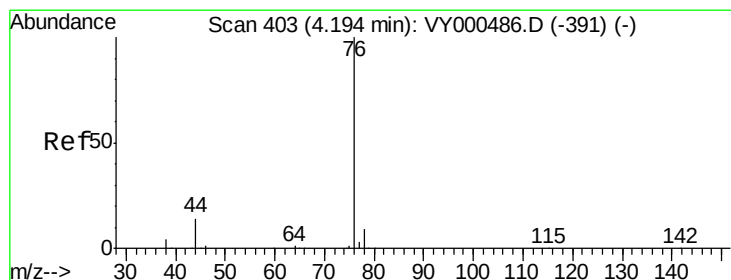
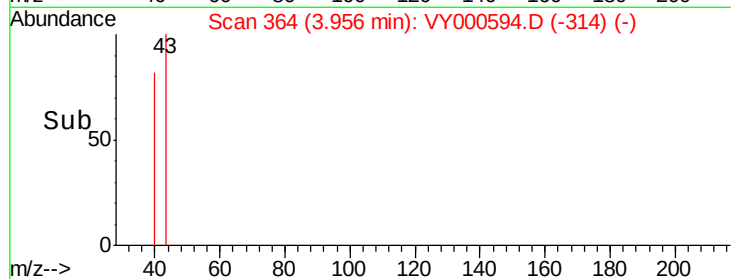
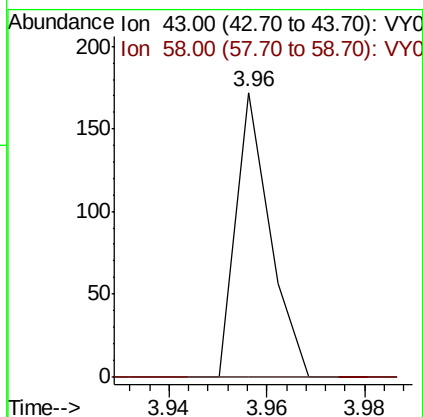
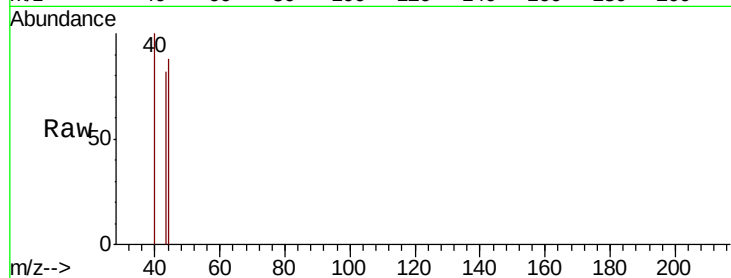




#16
Acetone
Concen: 16.367 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

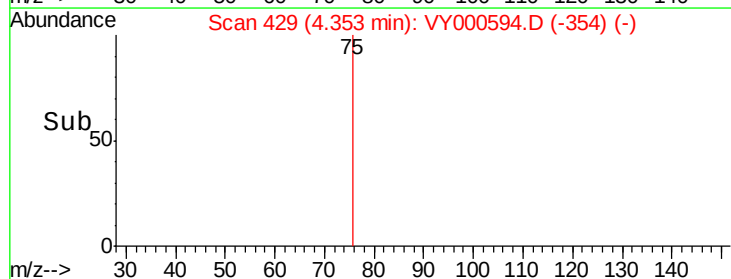
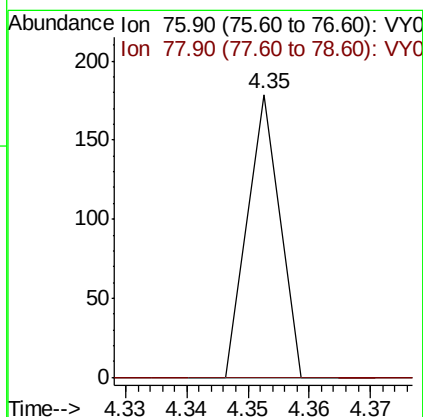
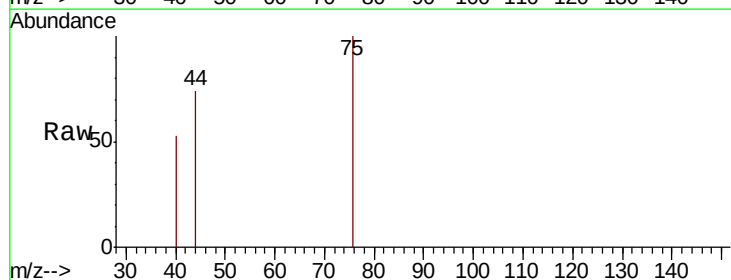
Instrument :
MSVOA_Y
ClientSampleId :

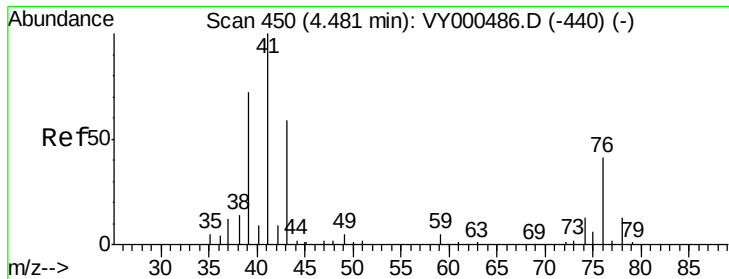
Tot Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#17
Carbon Disulfide
Concen: 1.160 ug/l
RT: 4.35 min Scan# 429
Delta R.T. 0.16 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

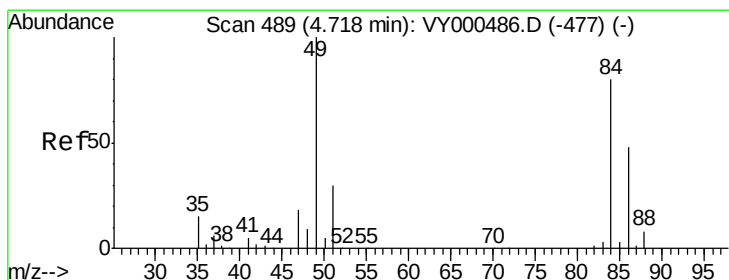
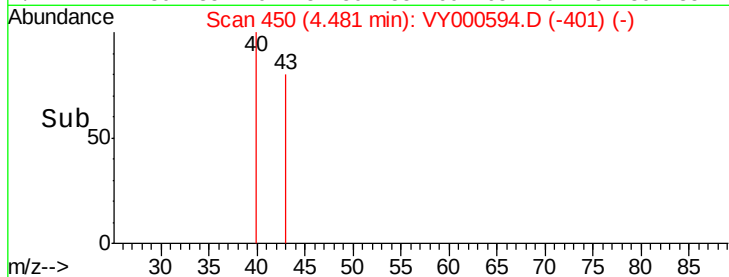
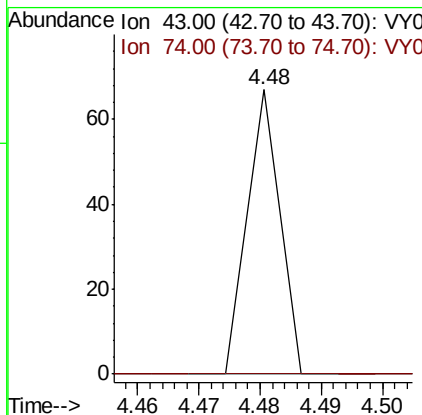
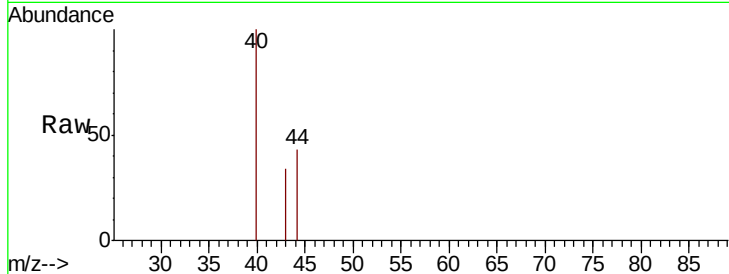




#18
Methyl Acetate
Concen: 1.585 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

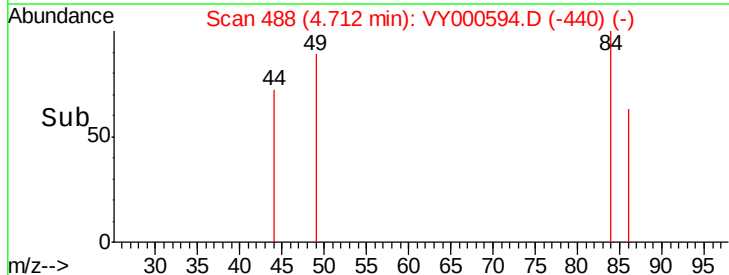
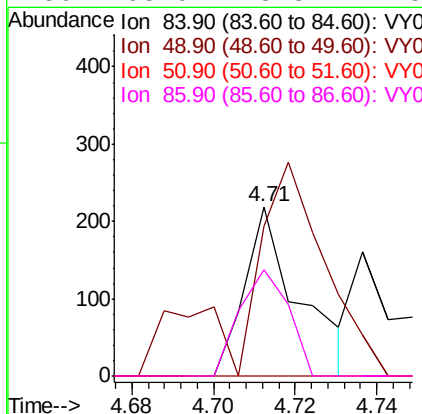
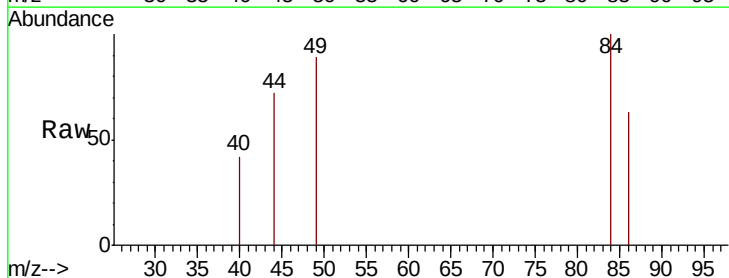
Instrument :
MSVOA_Y
ClientSampleId :

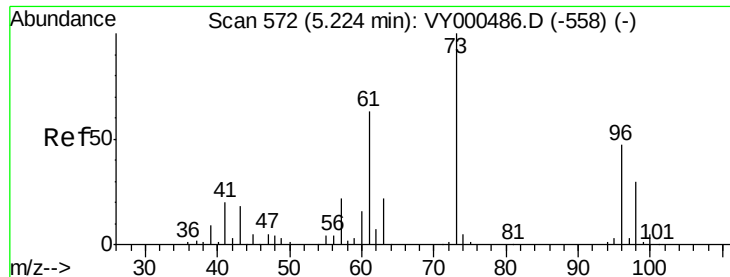
Tot Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 9.296 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion: 84 Resp: 202
Ion Ratio Lower Upper
84 100
49 53.4 100.2 150.4#
51 0.0 29.6 44.4#
86 63.0 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 1.195 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.03 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampleId :

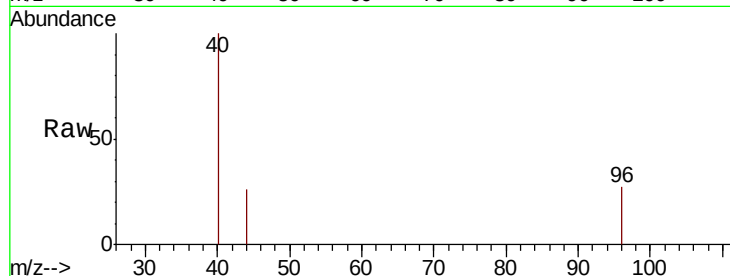
Tot Ion: 96 Resp: 24

Ion Ratio Lower Upper

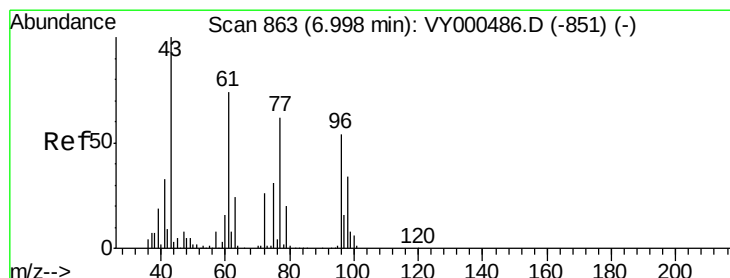
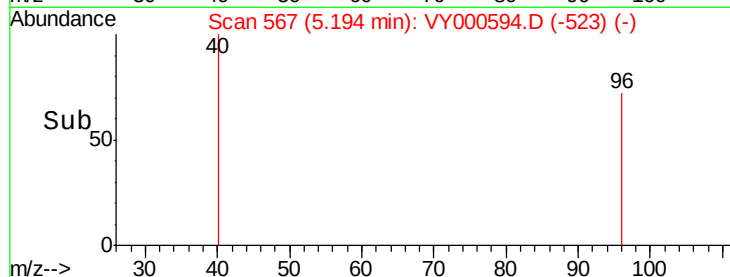
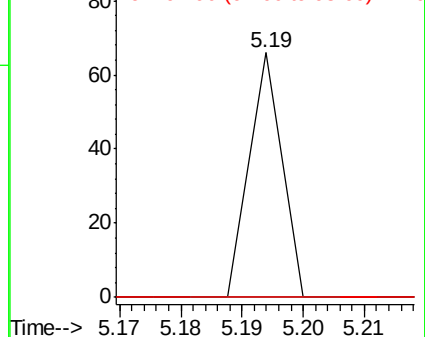
96 100

61 0.0 106.6 160.0#

98 0.0 50.6 76.0#



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



#25

2-Butanone

Concen: 8.525 ug/l

RT: 7.11 min Scan# 882

Delta R.T. 0.12 min

Lab File: VY000594.D

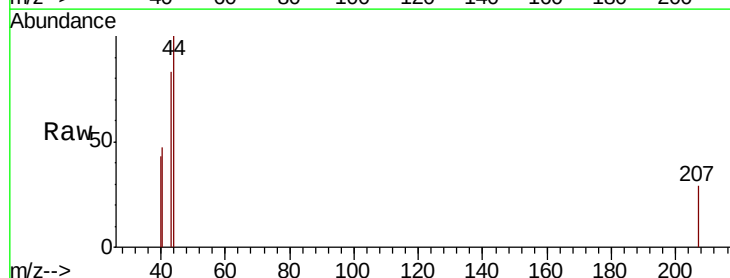
Acq: 07 Nov 2019 20:16

Tgt Ion: 43 Resp: 69

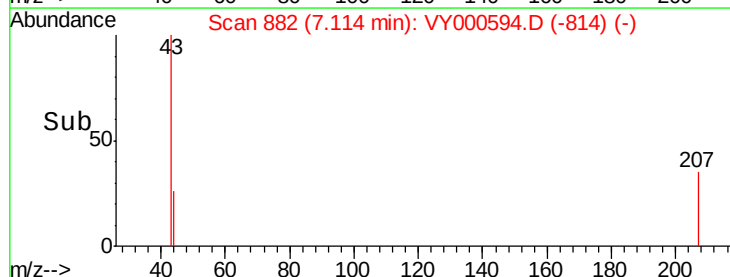
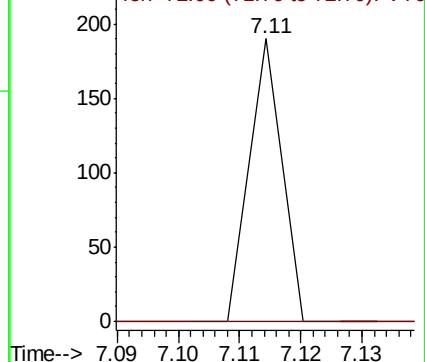
Ion Ratio Lower Upper

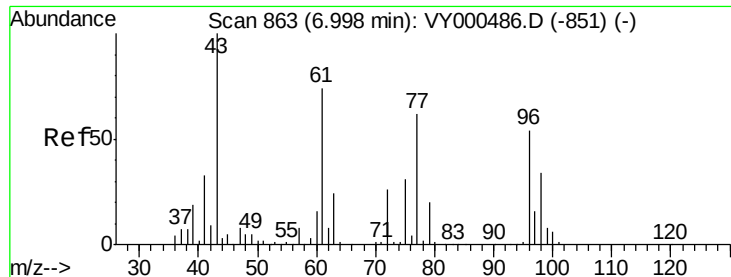
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



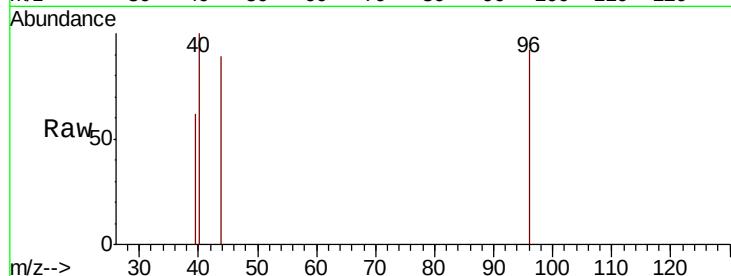


#27

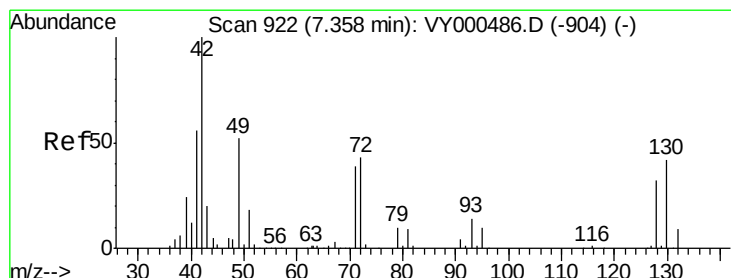
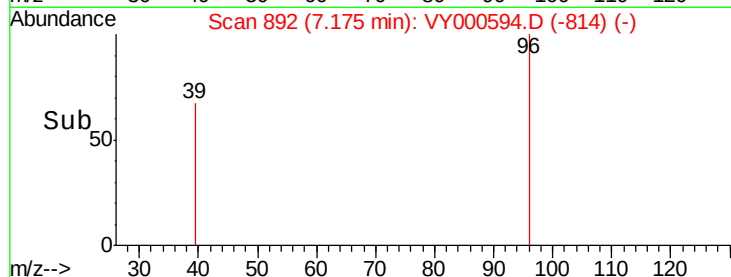
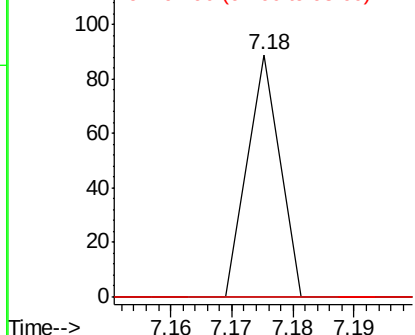
cis-1,2-Dichloroethene
Concen: 1.503 ug/l
RT: 7.18 min Scan# 892
Delta R.T. 0.18 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	287.0
98	0.0	0.0	129.4



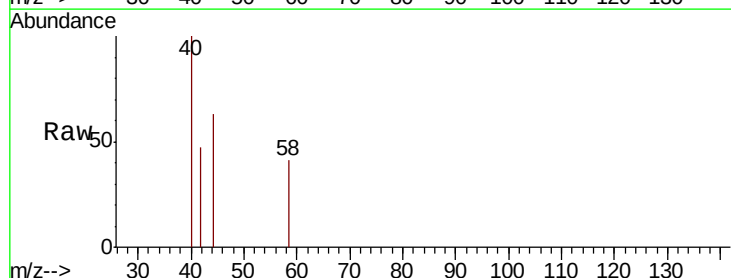
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



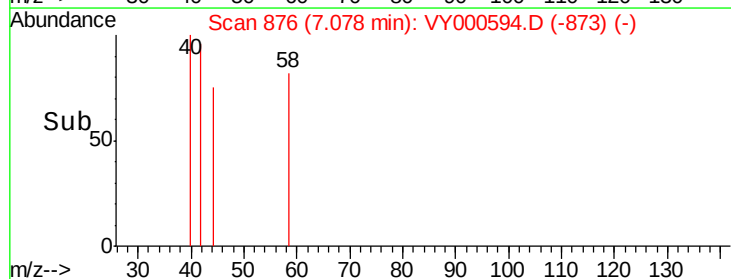
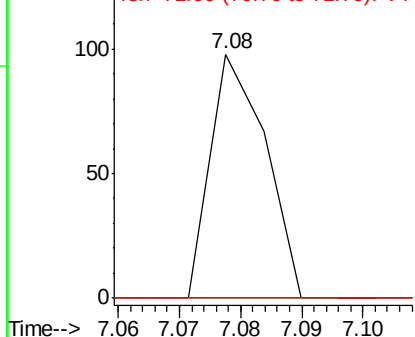
#29

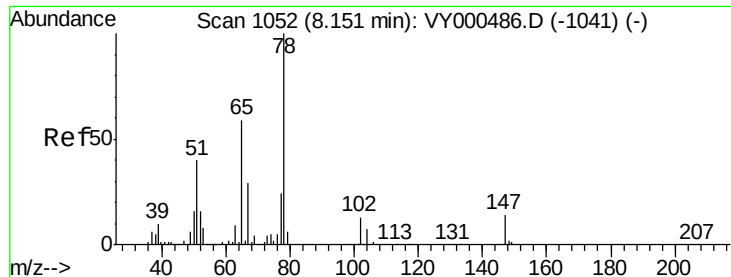
Tetrahydrofuran
Concen: 12.118 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.28 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.0	51.0#
71	0.0	30.8	46.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

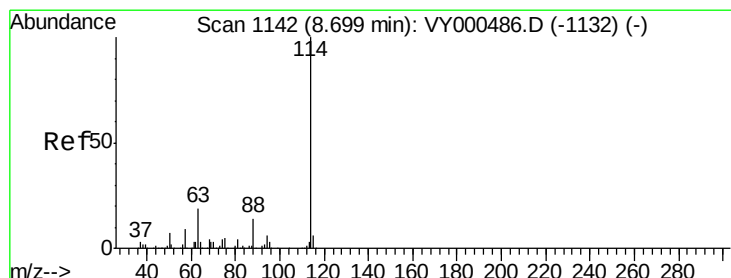
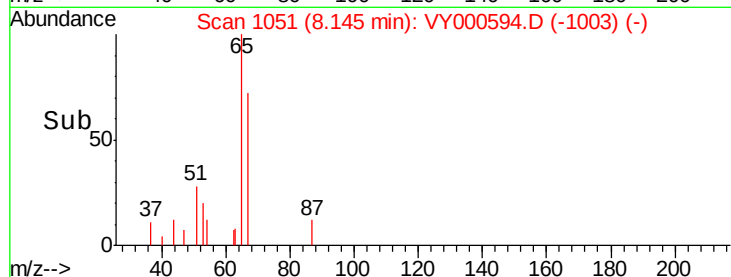
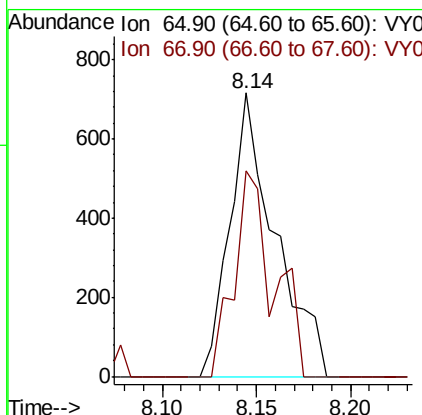
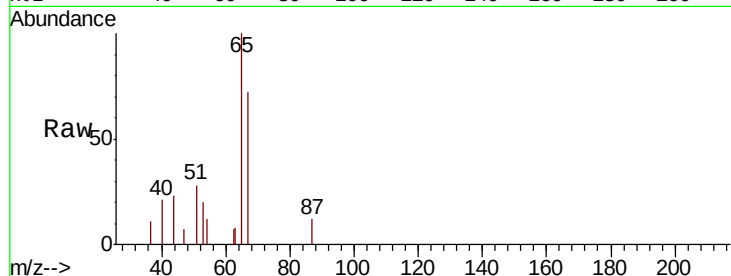




#33
 1,2-Dichloroethane-d4
 Concen: 64.837 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000594.D
 Acq: 07 Nov 2019 20:16

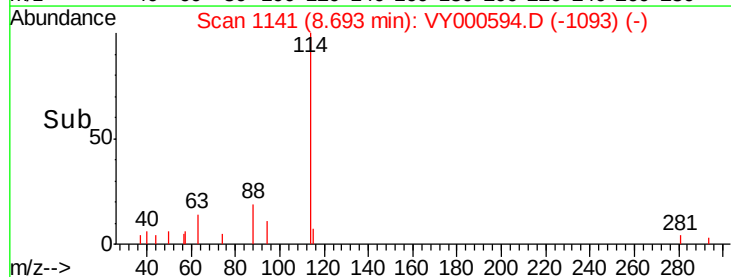
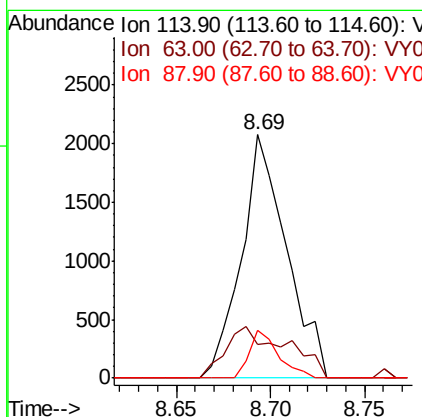
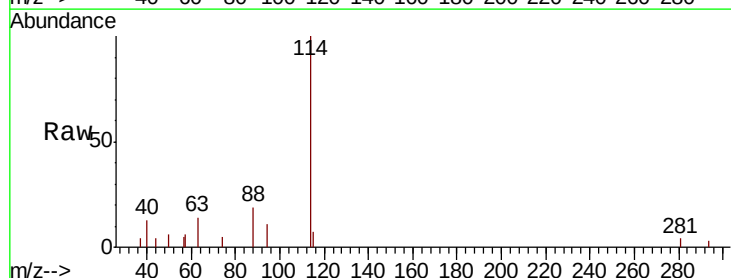
Instrument :
 MSVOA_Y
 ClientSampleId :

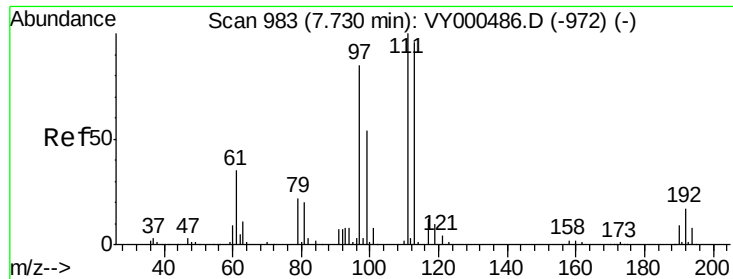
Tot Ion: 65 Resp: 1193
 Ion Ratio Lower Upper
 65 100
 67 63.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000594.D
 Acq: 07 Nov 2019 20:16

Tgt Ion: 114 Resp: 3440
 Ion Ratio Lower Upper
 114 100
 63 13.9 0.0 38.0
 88 19.4 0.0 28.6

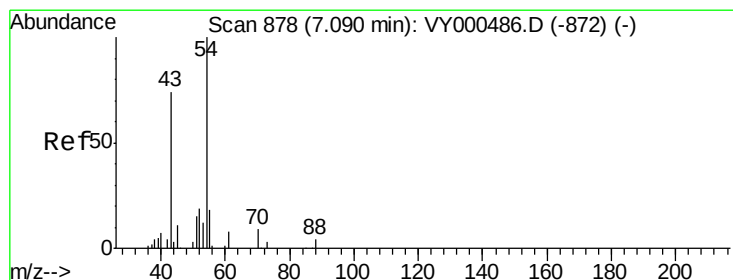
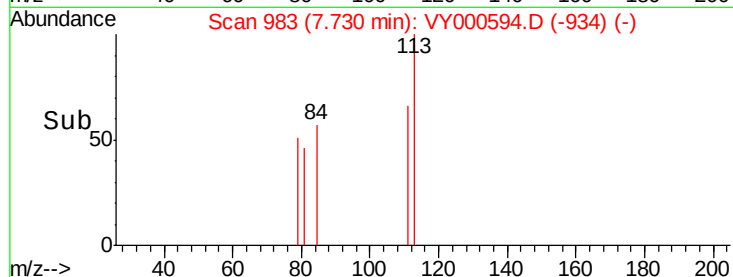
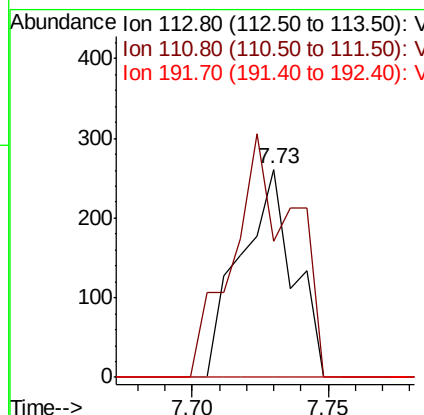
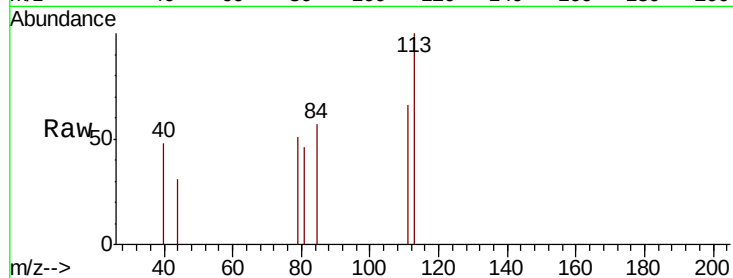




#35
 Dibromofluoromethane
 Concen: 17.480 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000594.D
 Acq: 07 Nov 2019 20:16

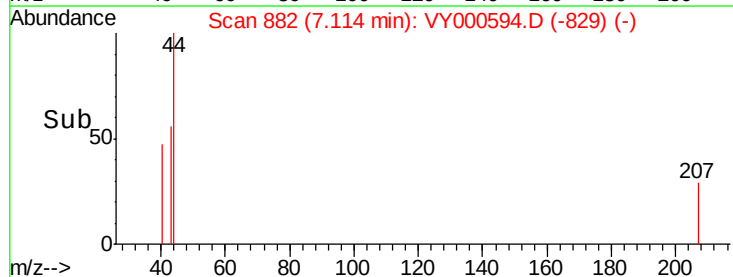
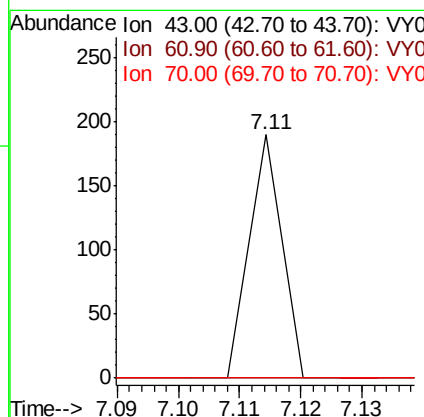
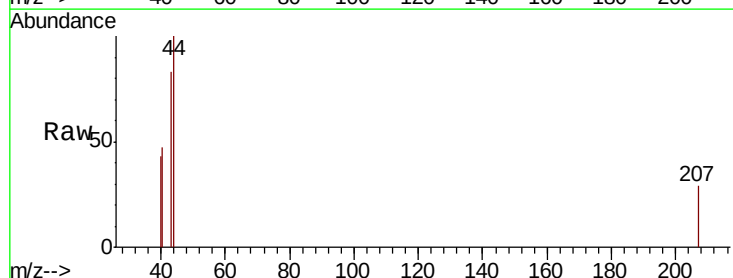
Instrument :
 MSVOA_Y
 ClientSampled :

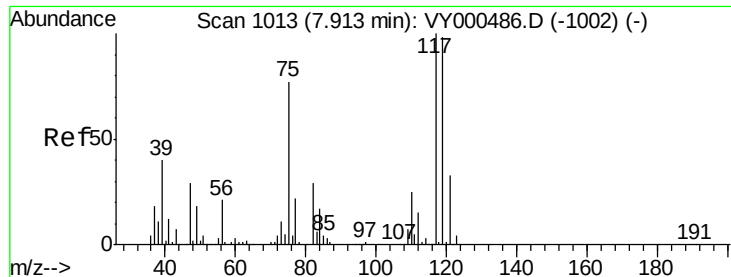
Tot Ion:113 Resp: 353
 Ion Ratio Lower Upper
 113 100
 111 133.7 81.7 122.5#
 192 0.0 15.0 22.4#



#37
 Ethyl Acetate
 Concen: 3.574 ug/l
 RT: 7.11 min Scan# 882
 Delta R.T. 0.02 min
 Lab File: VY000594.D
 Acq: 07 Nov 2019 20:16

Tgt Ion: 43 Resp: 69
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 2.557 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampleId :

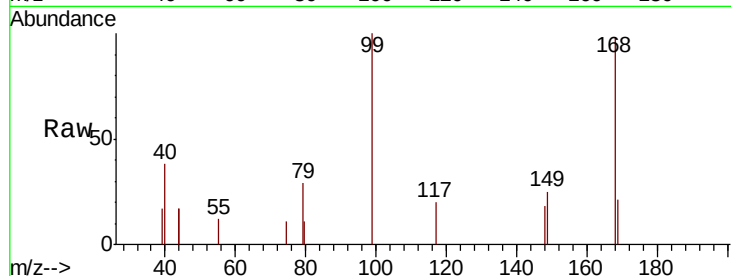
Tot Ion:117 Resp: 80

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

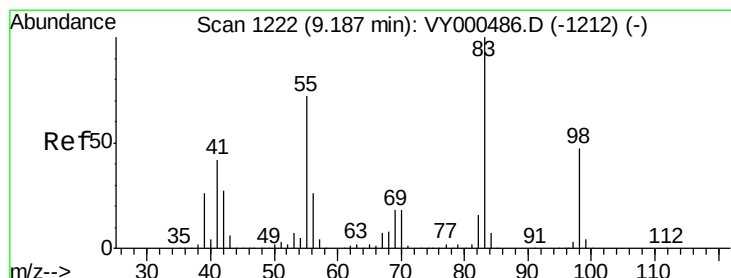
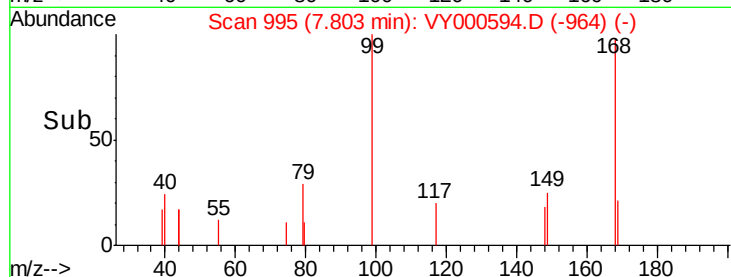
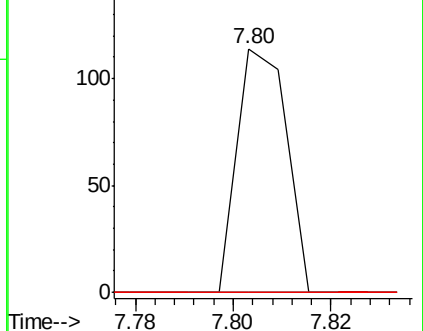
121 0.0 26.6 40.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.690 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

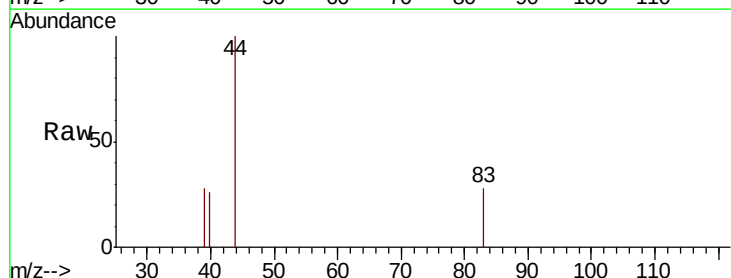
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

55 0.0 57.5 86.3#

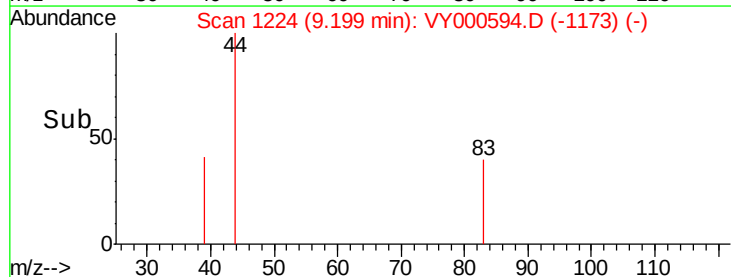
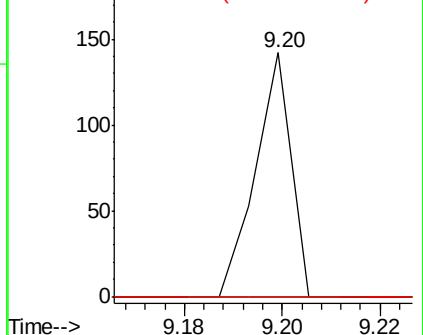
98 0.0 38.0 57.0#

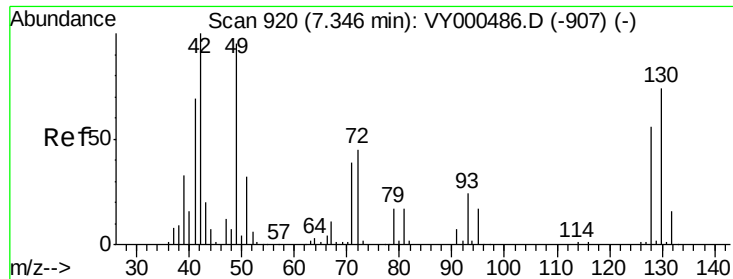


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

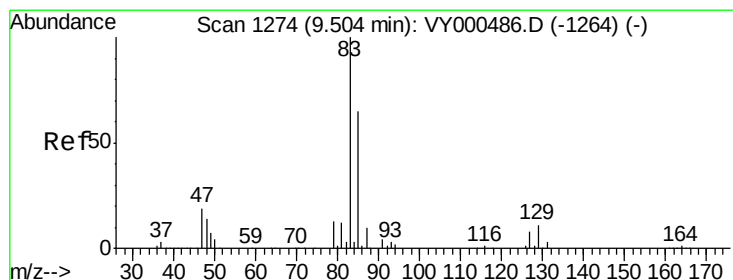
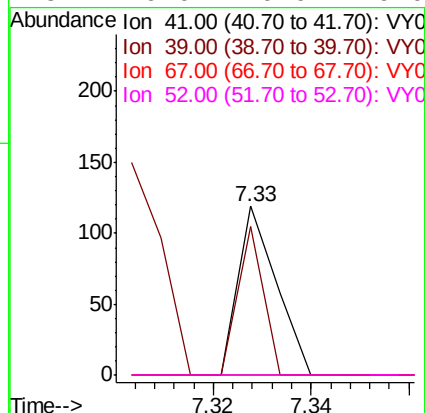
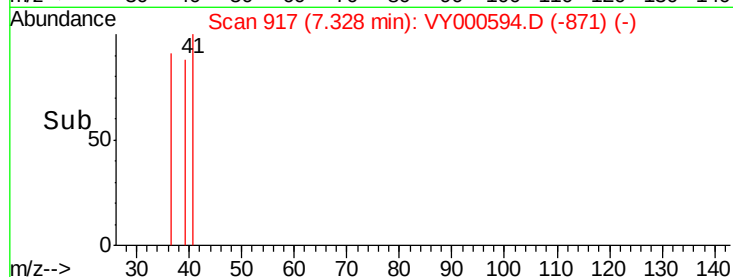
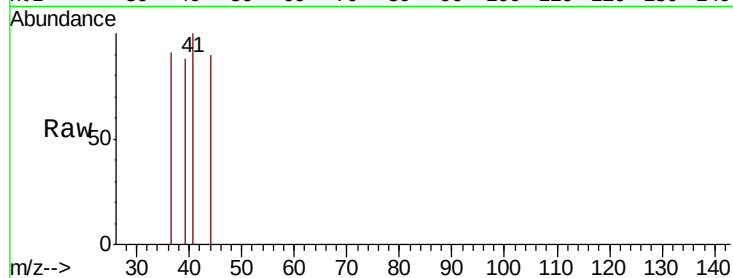




#41
Methacrylonitrile
Concen: 6.035 ug/l
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

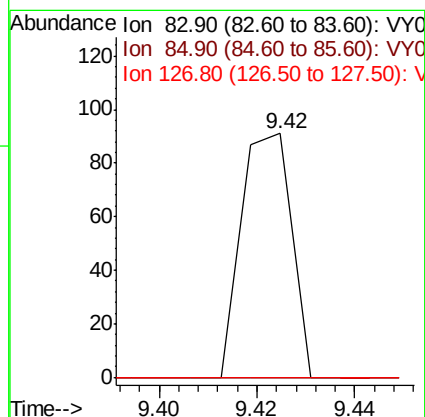
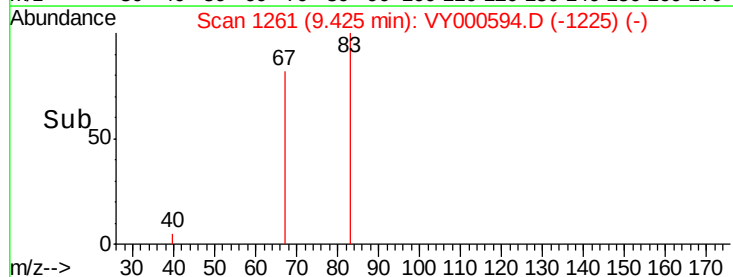
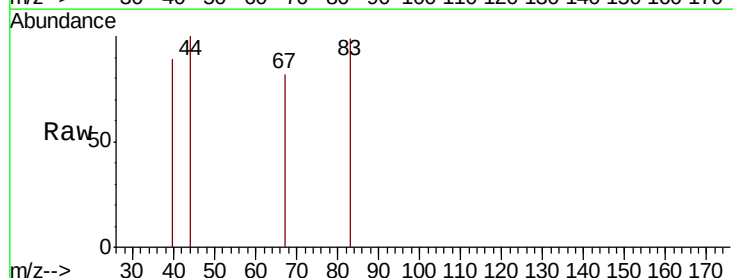
Instrument :
MSVOA_Y
ClientSampleId :

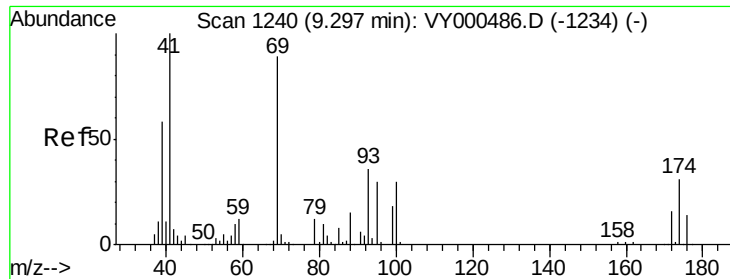
Tot Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
39 58.5 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#47
Bromodichloromethane
Concen: 2.123 ug/l
RT: 9.42 min Scan# 1261
Delta R.T. -0.08 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion: 83 Resp: 65
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#
127 0.0 6.7 10.1#

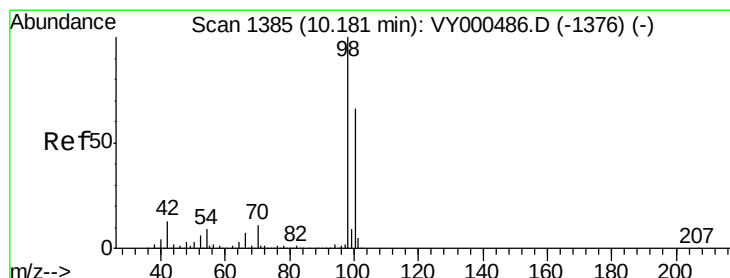
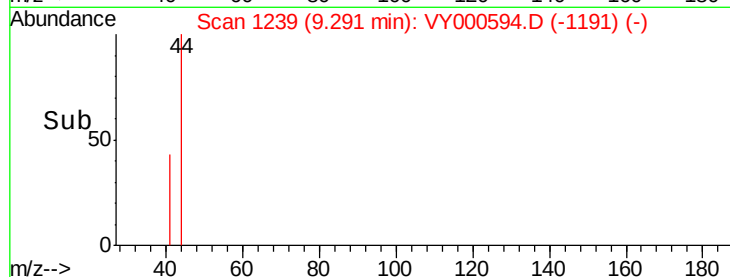
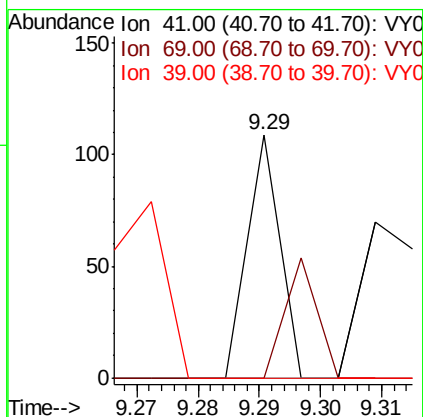
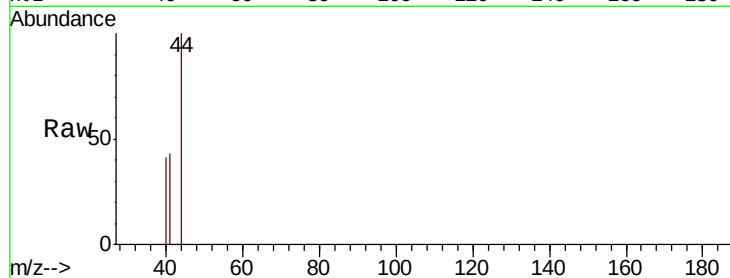




#48
Methyl methacrylate
Concen: 2.524 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

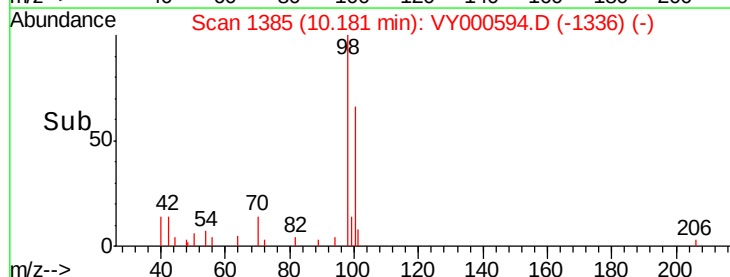
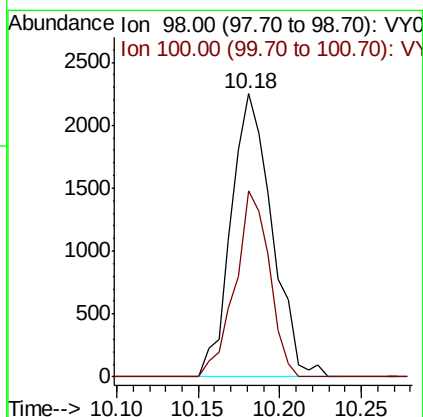
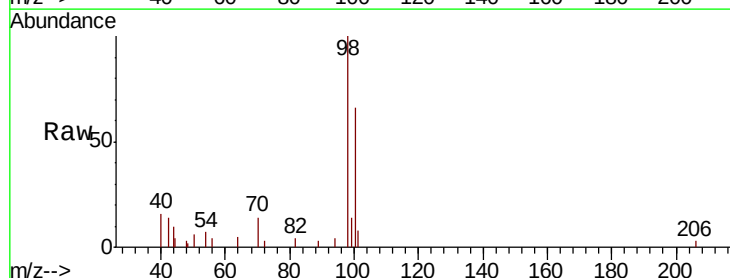
Instrument :
MSVOA_Y
ClientSampled :

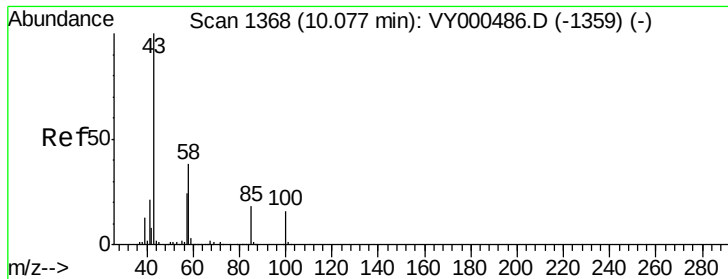
Tot Ion: 41 Resp: 40
Ion Ratio Lower Upper
41 100
69 50.0 72.5 108.7#
39 0.0 47.8 71.8#



#50
Toluene-d8
Concen: 51.090 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion: 98 Resp: 3915
Ion Ratio Lower Upper
98 100
100 55.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 3.889 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.13 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

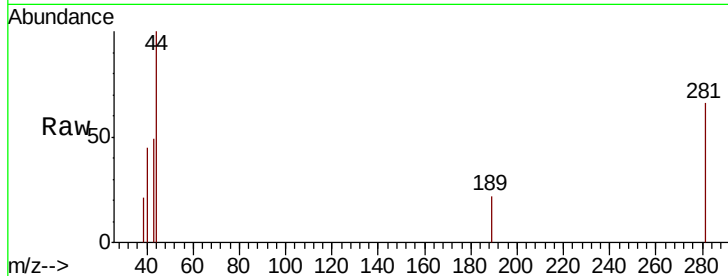
ClientSampleId :

Tot Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

9.94

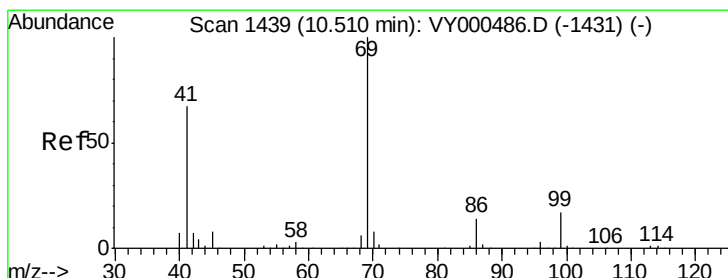
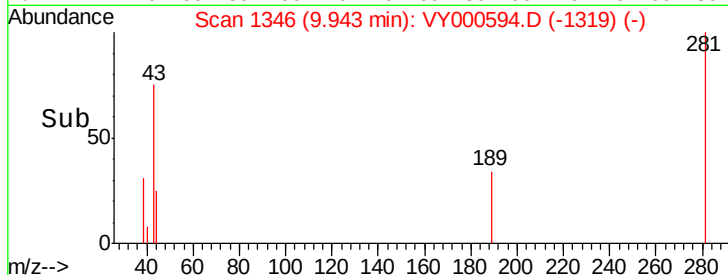
150

100

50

0

Time-->



#56

Ethyl methacrylate

Concen: 2.306 ug/l

RT: 10.64 min Scan# 1460

Delta R.T. 0.13 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

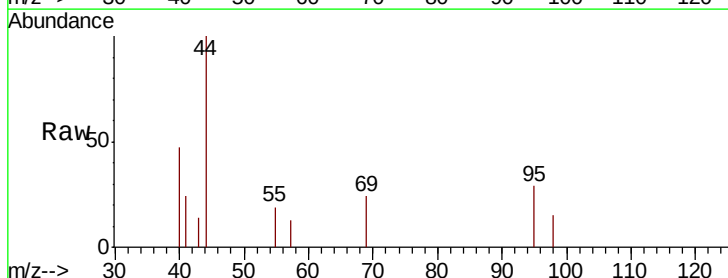
Tgt Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 242.6 53.3 79.9#

39 0.0 28.0 42.0#



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

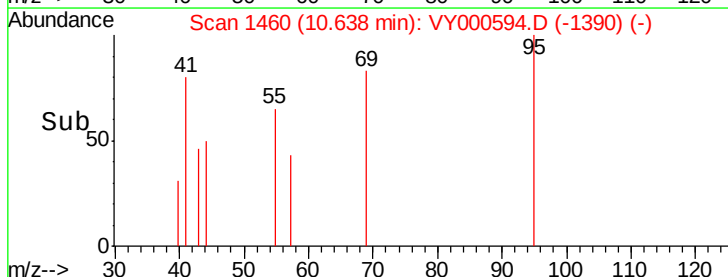
150

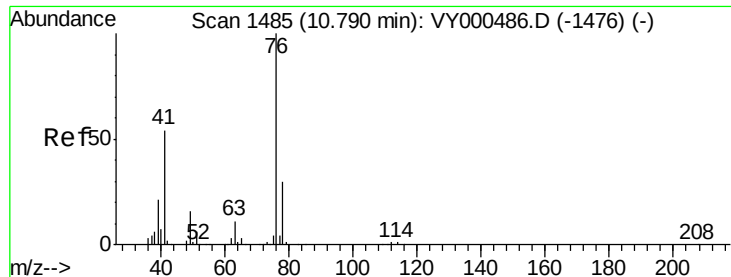
100

50

0

Time-->

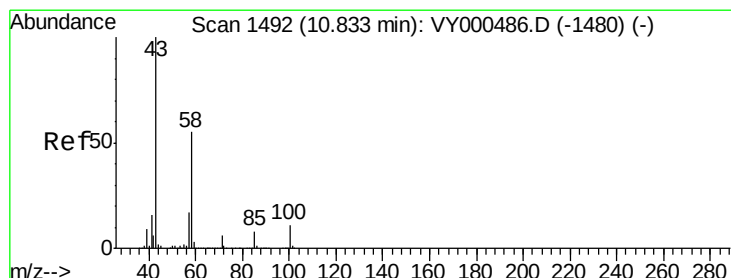
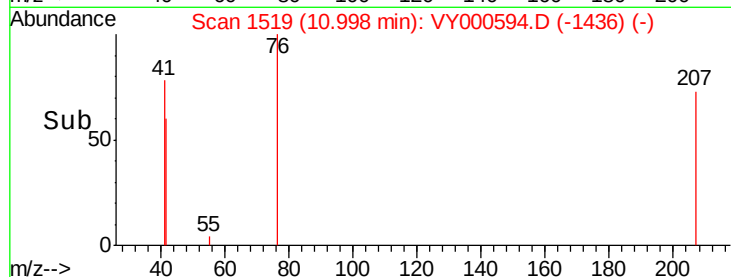
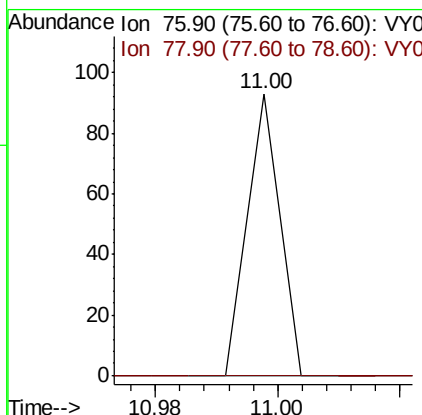
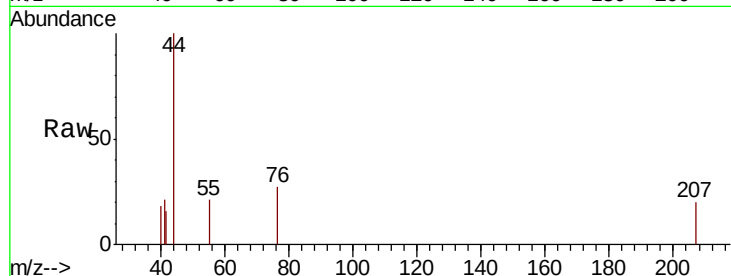




#57
 1,3-Dichloropropane
 Concen: 1.041 ug/l
 RT: 11.00 min Scan# 1519
 Delta R.T. 0.21 min
 Lab File: VY000594.D
 Acq: 07 Nov 2019 20:16

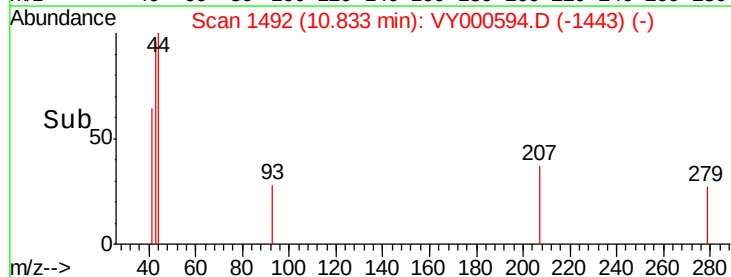
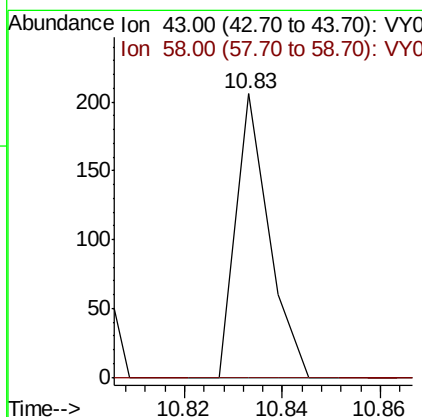
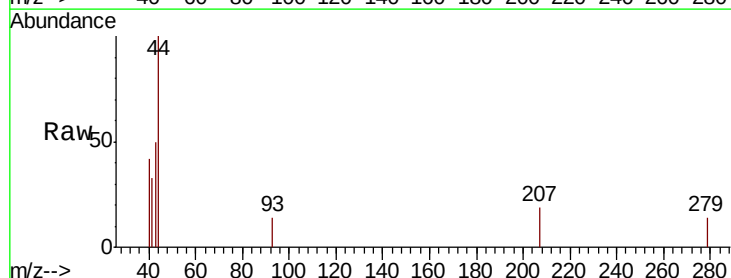
Instrument :
 MSVOA_Y
 ClientSampled :

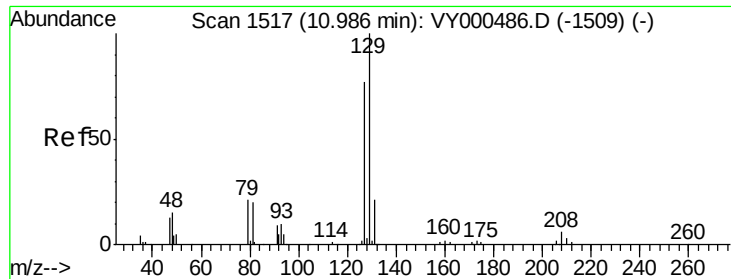
Tot Ion: 76 Resp: 34
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 6.904 ug/l
 RT: 10.83 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VY000594.D
 Acq: 07 Nov 2019 20:16

Tgt Ion: 43 Resp: 97
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.1 81.3#





#60

Dibromochloromethane

Concen: 1.169 ug/l

RT: 11.23 min Scan# 1557

Delta R.T. 0.24 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

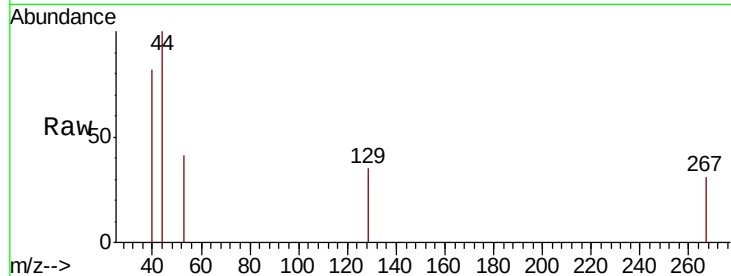
ClientSampleId :

Tot Ion:129 Resp: 25

Ion Ratio Lower Upper

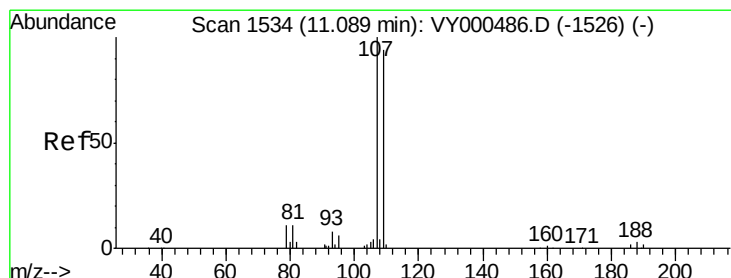
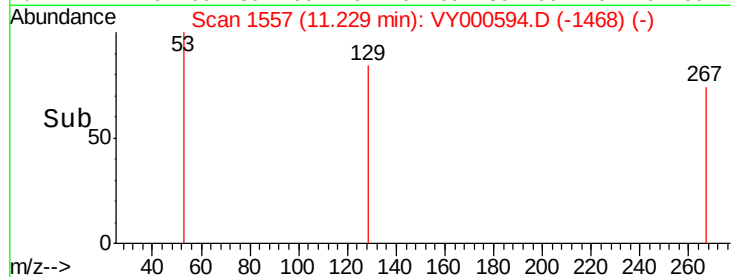
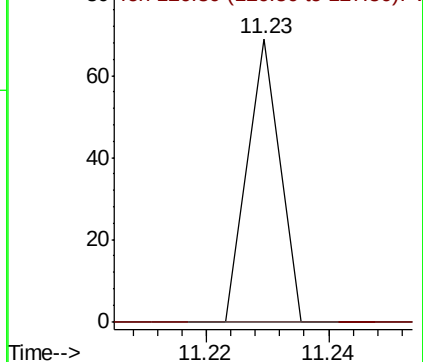
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 3.287 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000594.D

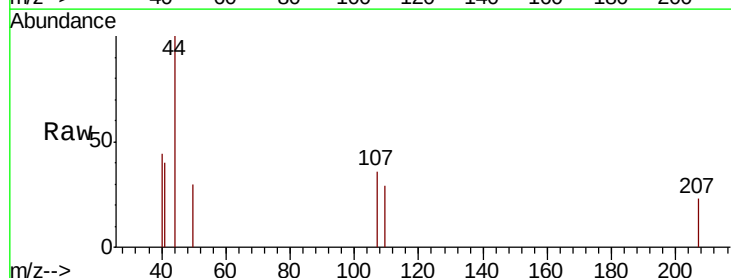
Acq: 07 Nov 2019 20:16

Tgt Ion:107 Resp: 59

Ion Ratio Lower Upper

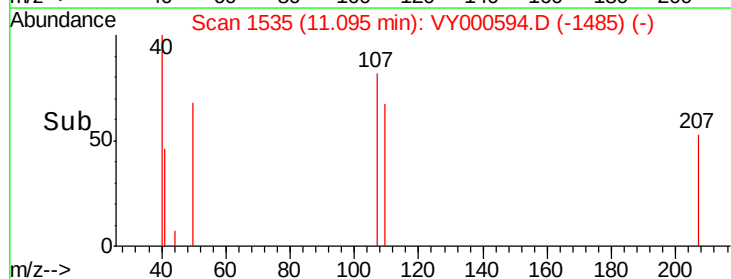
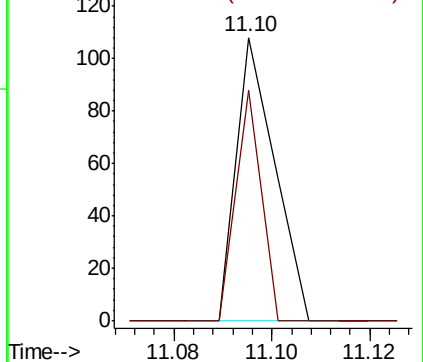
107 100

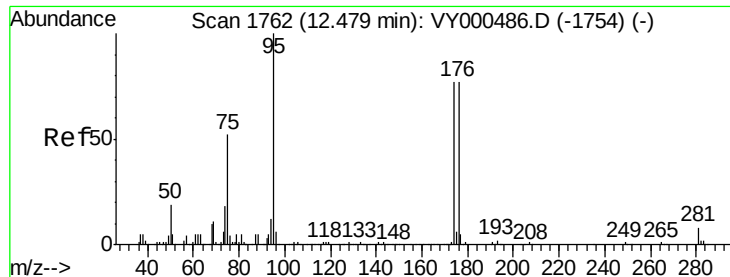
109 54.2 73.6 110.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

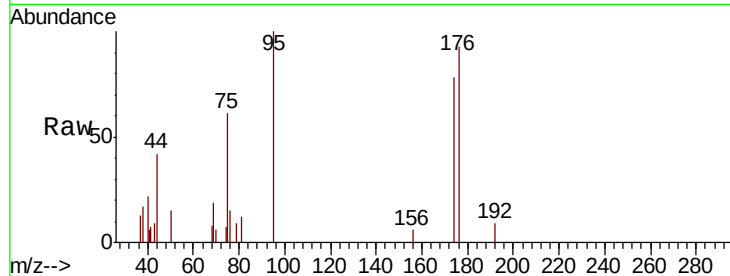




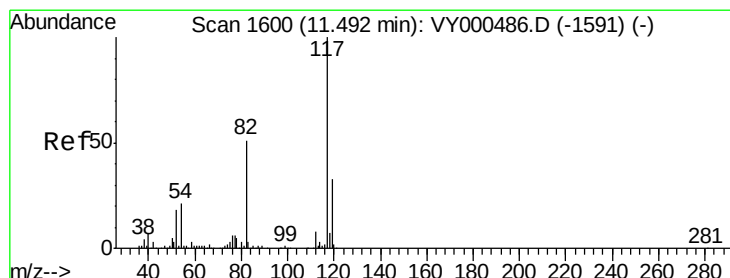
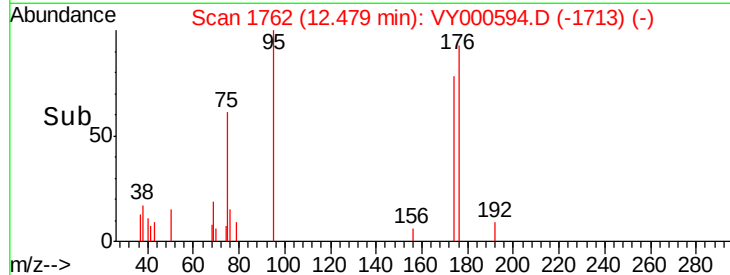
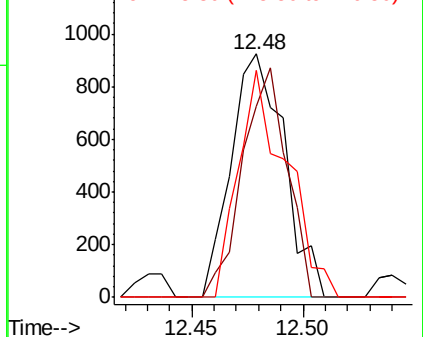
#62
4-Bromofluorobenzene
Concen: 52.858 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 95 Resp: 1542
Ion Ratio Lower Upper
95 100
174 78.7 0.0 161.6
176 84.0 0.0 157.8

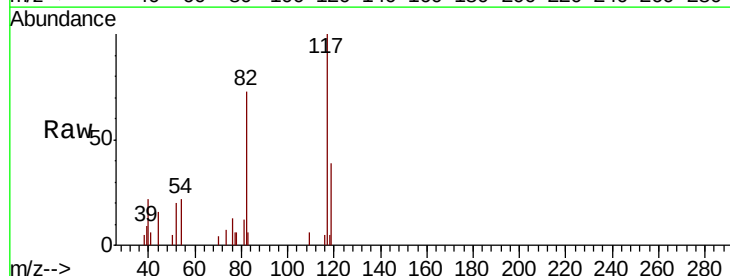


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

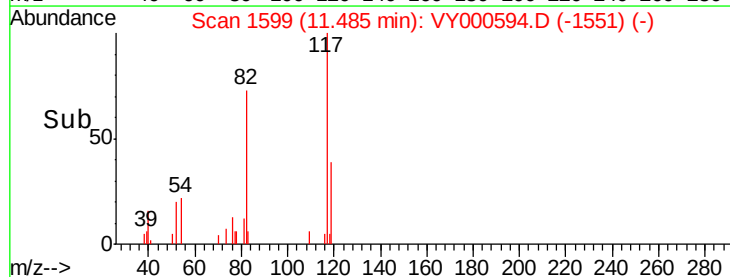
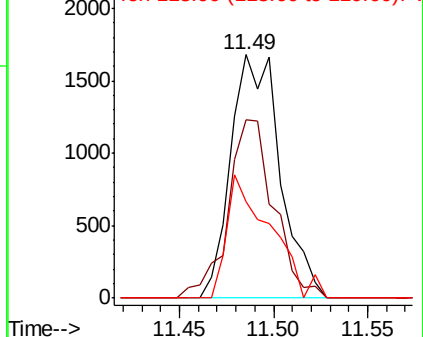


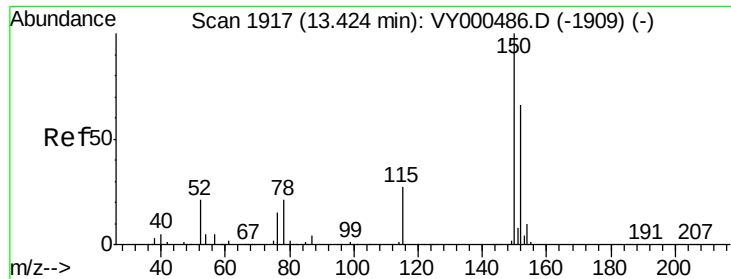
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion: 117 Resp: 3049
Ion Ratio Lower Upper
117 100
82 73.5 40.8 61.2#
119 39.5 26.2 39.2#



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



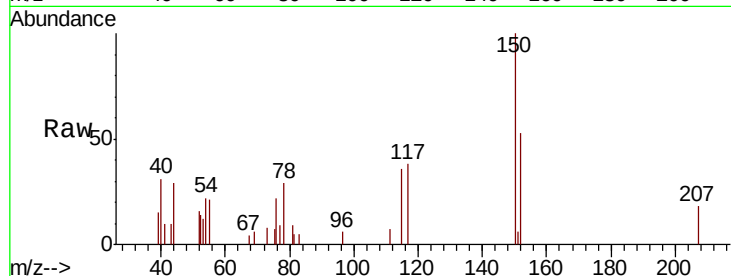


#72

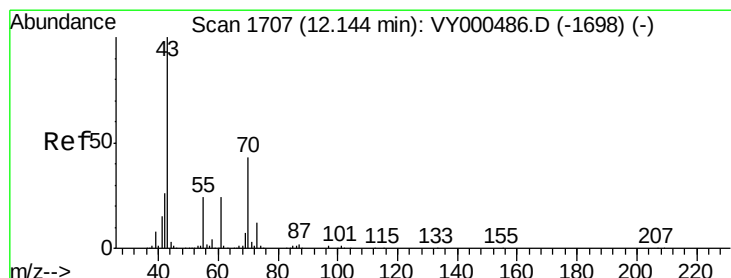
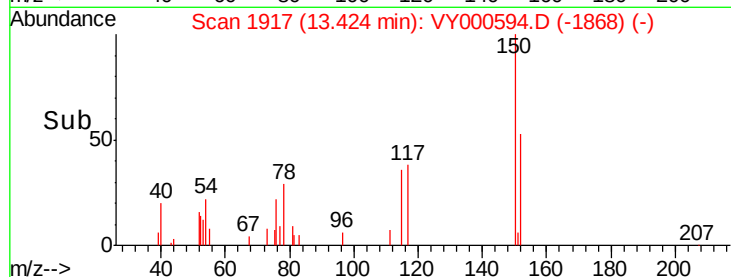
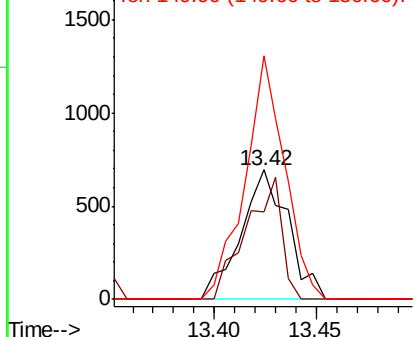
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 1114
Ion Ratio Lower Upper
152 100
115 71.3 29.1 87.4
150 159.1 0.0 348.8



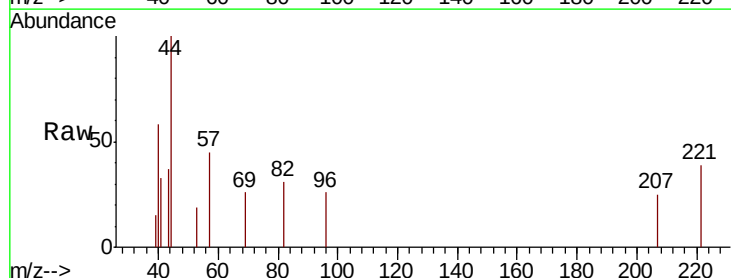
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



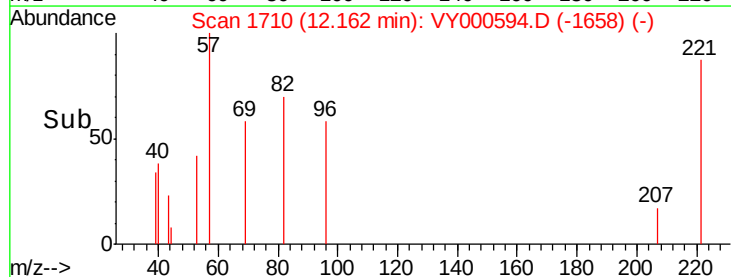
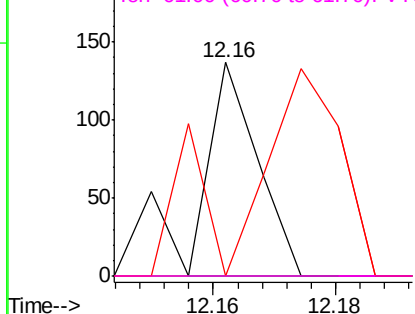
#74

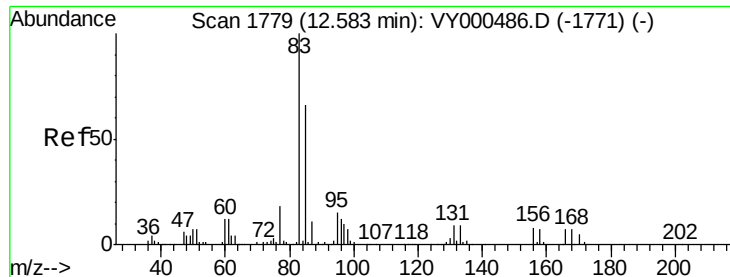
N-ethyl acetate
Concen: 3.096 ug/l
RT: 12.16 min Scan# 1710
Delta R.T. 0.02 min
Lab File: VY000594.D
Acq: 07 Nov 2019 20:16

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
70 0.0 33.1 49.7#
55 197.3 18.0 27.0#
61 0.0 19.1 28.7#



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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.827 ug/l

RT: 12.50 min Scan# 1766

Delta R.T. -0.08 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampled :

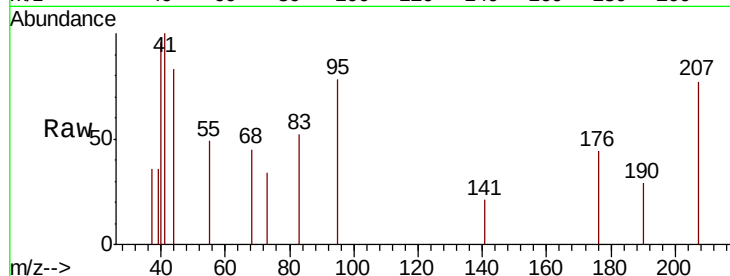
Tot Ion: 83 Resp: 95

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

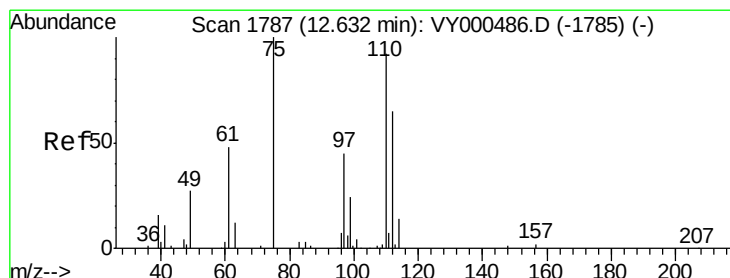
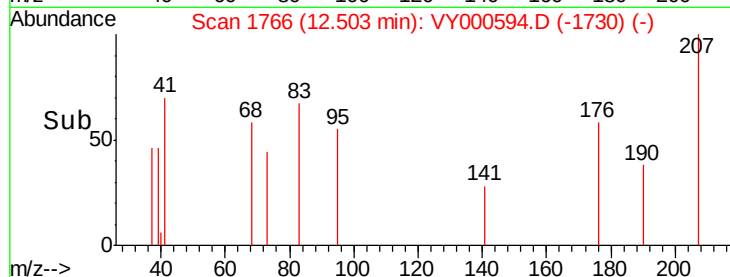
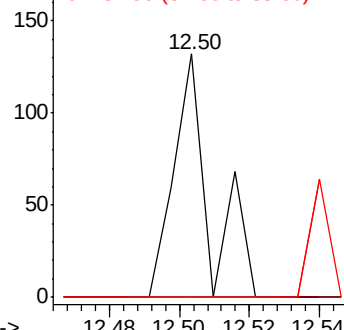
85 0.0 32.3 96.9#



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: 4.257 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.04 min

Lab File: VY000594.D

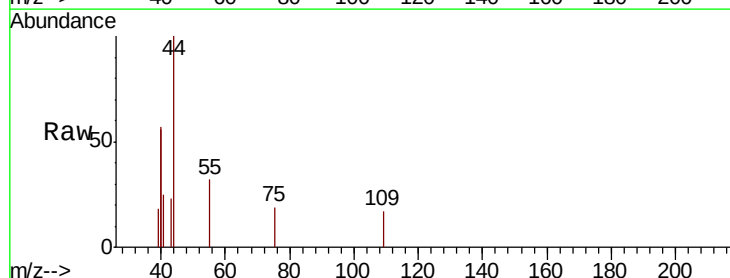
Acq: 07 Nov 2019 20:16

Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

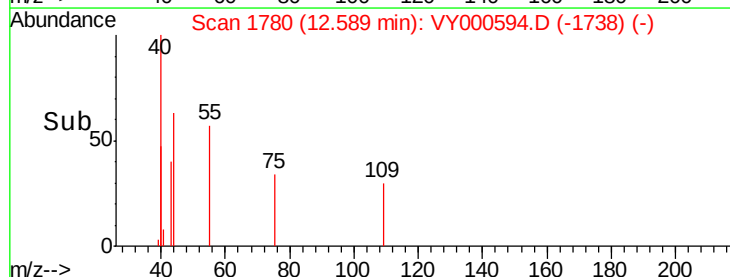
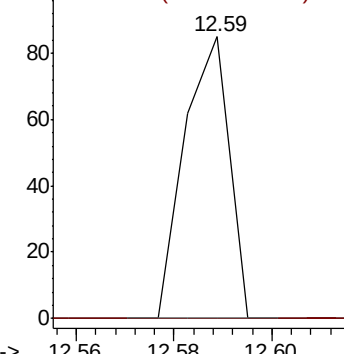
75 100

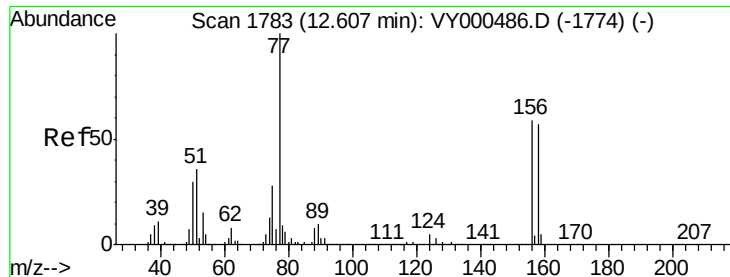
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 3.589 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.07 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampleId :

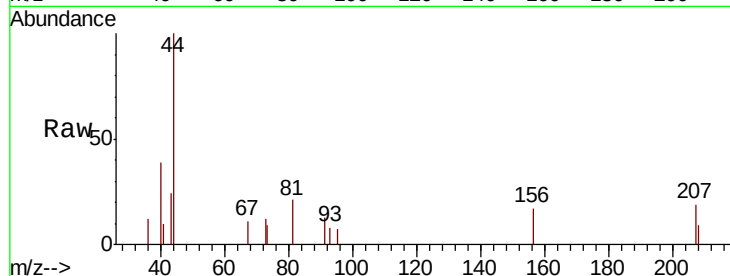
Tot Ion:156 Resp: 67

Ion Ratio Lower Upper

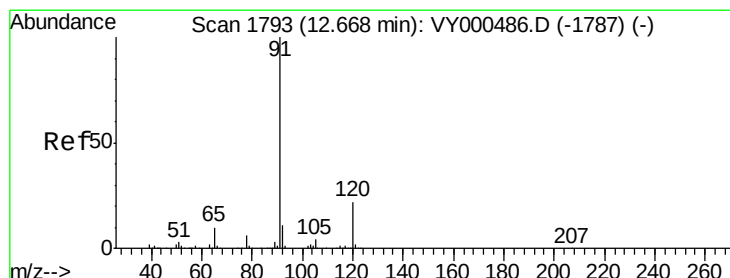
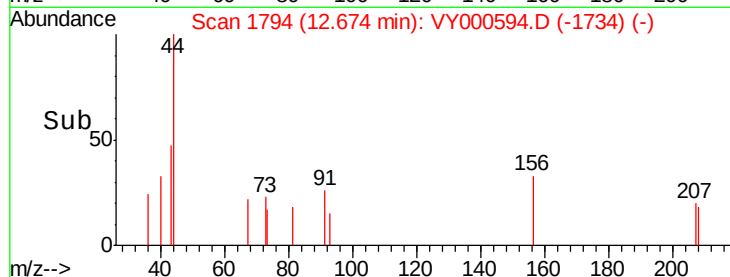
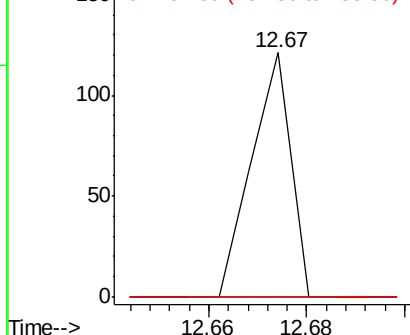
156 100

77 0.0 98.2 294.4#

158 0.0 49.6 149.0#



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: 1.137 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000594.D

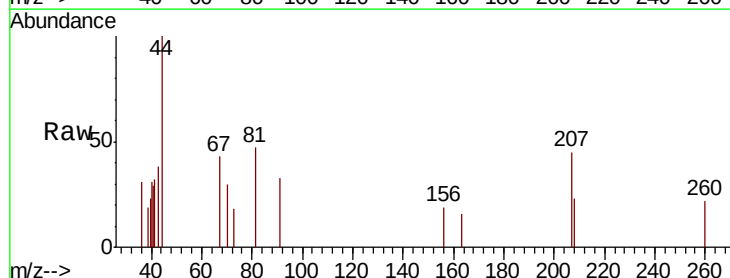
Acq: 07 Nov 2019 20:16

Tgt Ion: 91 Resp: 113

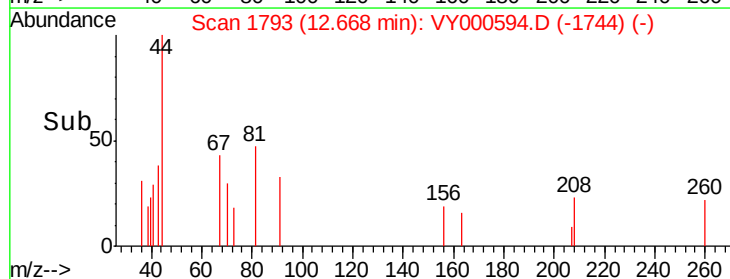
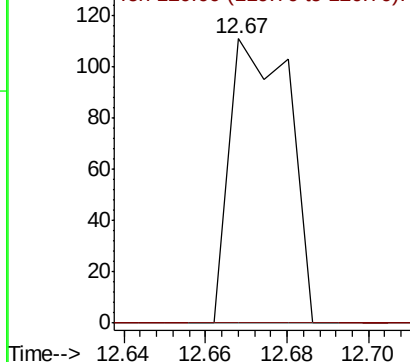
Ion Ratio Lower Upper

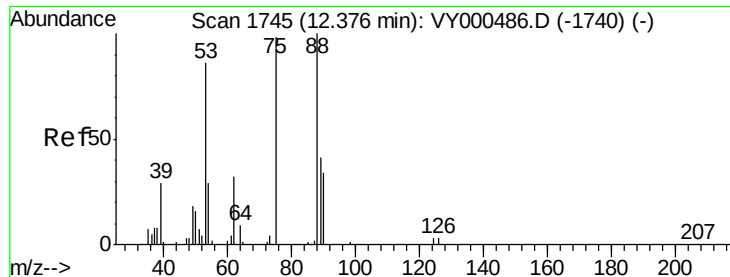
91 100

120 0.0 11.4 34.1#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 159.617 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampled :

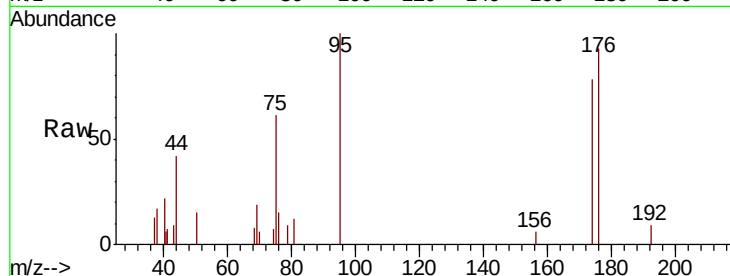
Tot Ion: 75 Resp: 903

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

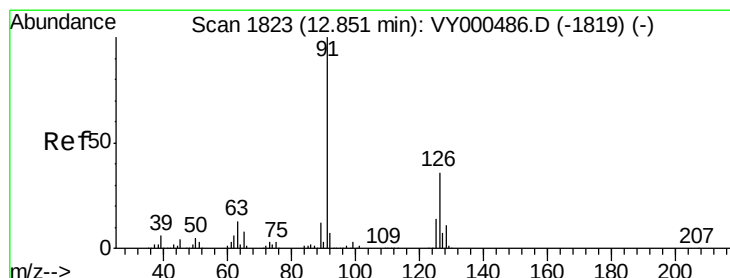
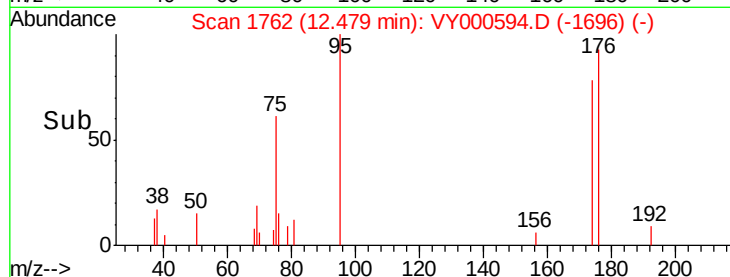
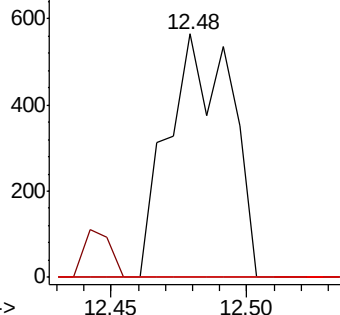
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 3.498 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY000594.D

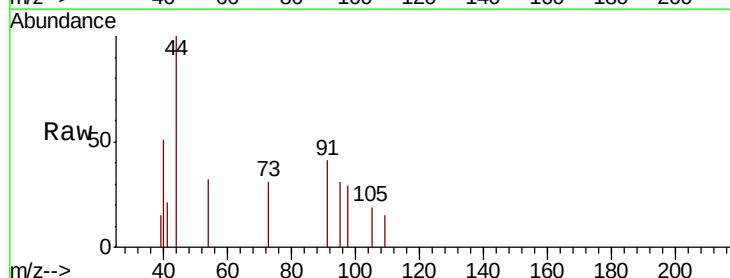
Acq: 07 Nov 2019 20:16

Tgt Ion: 91 Resp: 200

Ion Ratio Lower Upper

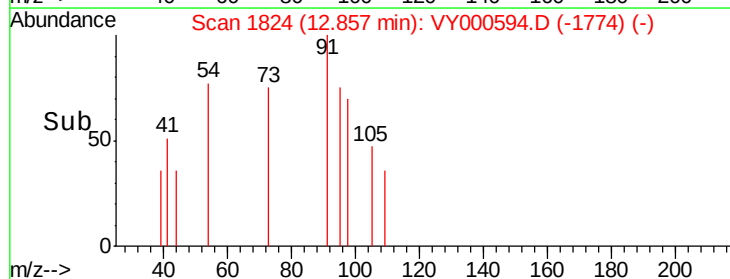
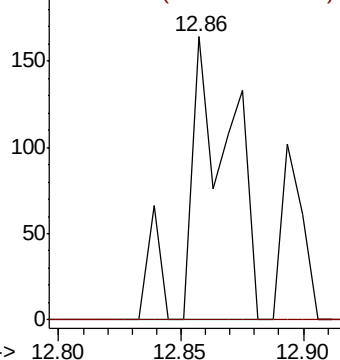
91 100

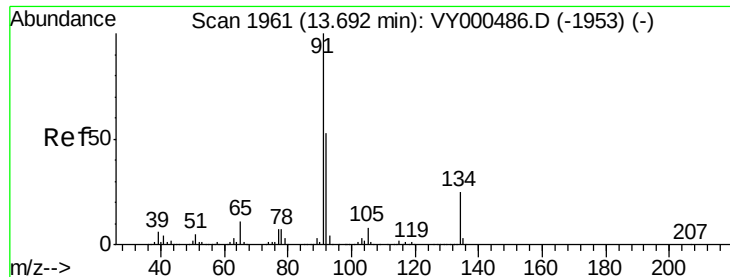
126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#89

n-Butylbenzene

Concen: 1.064 ug/l

RT: 13.62 min Scan# 1949

Delta R.T. -0.07 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampleId :

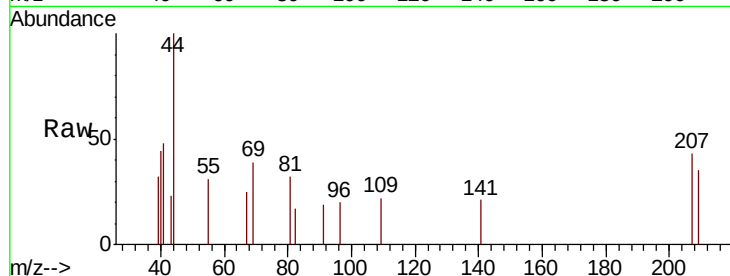
Tot Ion: 91 Resp: 78

Ion Ratio Lower Upper

91 100

92 0.0 26.8 80.3#

134 0.0 12.9 38.7#

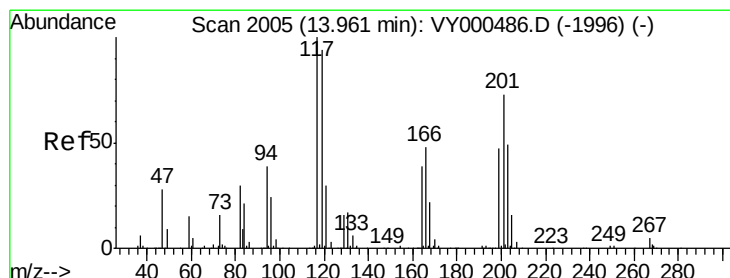
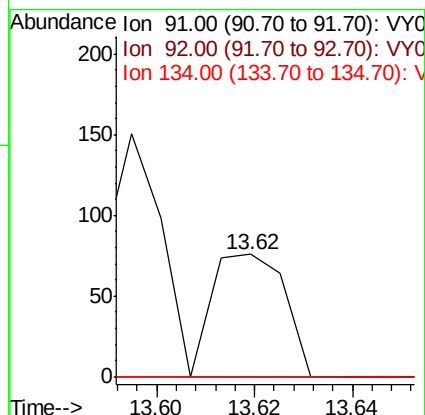
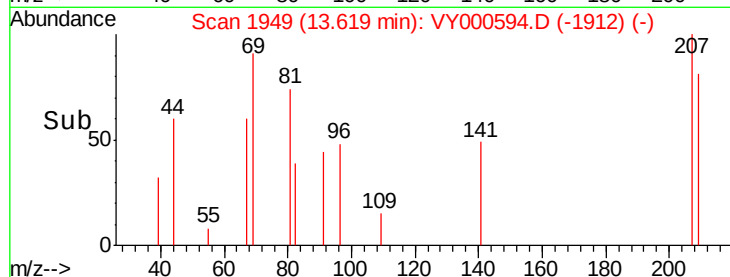


Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VY000486.D (-1953) (-)

Ion 134.00 (133.70 to 134.70): VY000486.D (-1953) (-)

Time-->



#90

Hexachloroethane

Concen: 1.382 ug/l

RT: 13.91 min Scan# 1996

Delta R.T. -0.05 min

Lab File: VY000594.D

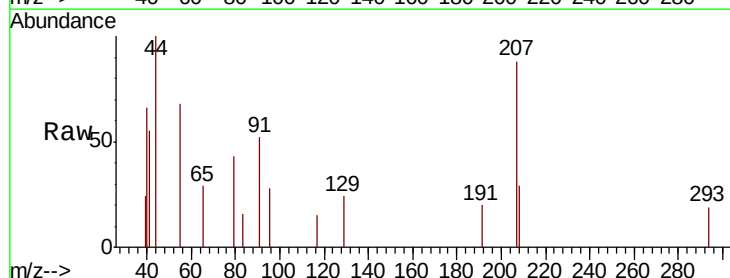
Acq: 07 Nov 2019 20:16

Tgt Ion: 117 Resp: 19

Ion Ratio Lower Upper

117 100

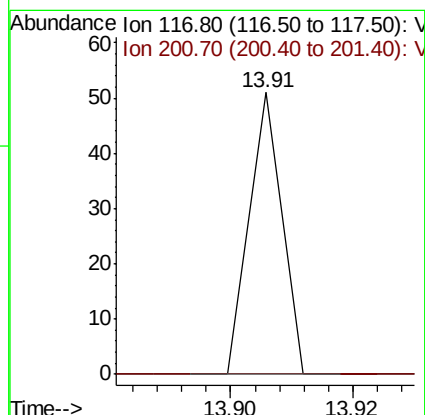
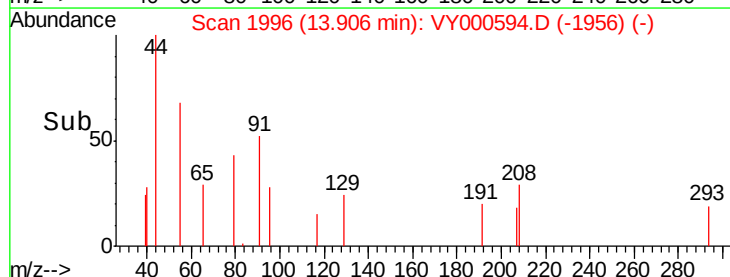
201 0.0 35.8 107.3#

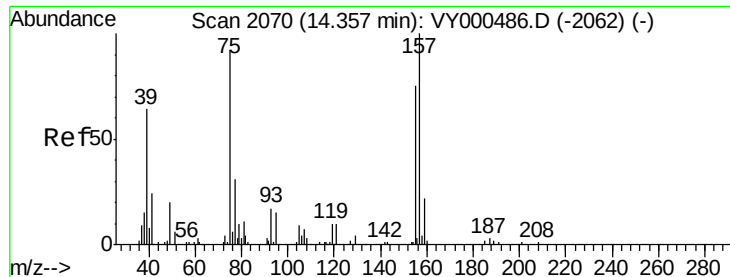


Abundance Ion 116.80 (116.50 to 117.50): VY000486.D (-1996) (-)

Ion 200.70 (200.40 to 201.40): VY000486.D (-1996) (-)

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 312.985 ug/l

RT: 14.21 min Scan# 2046

Delta R.T. -0.15 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampled :

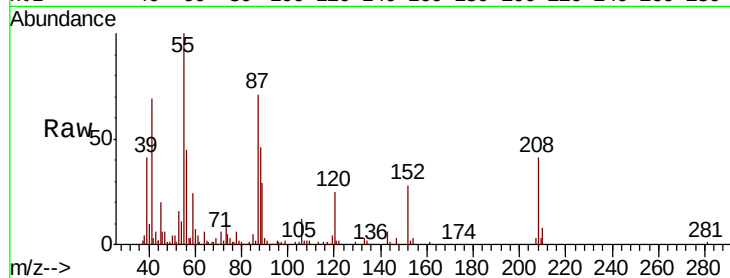
Tot Ion: 75 Resp: 903

Ion Ratio Lower Upper

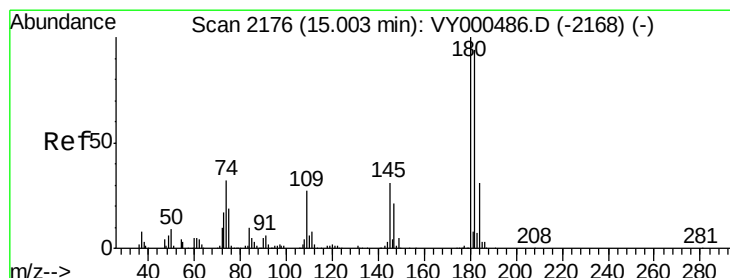
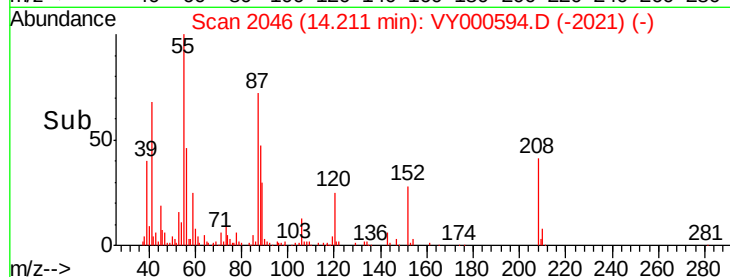
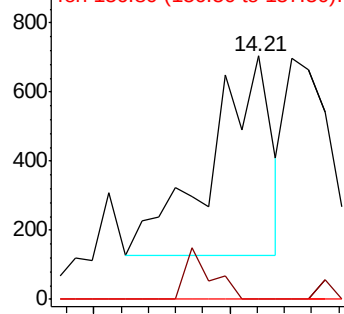
75 100

155 0.0 42.4 127.1#

157 0.0 55.1 165.3#



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-2062) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.018 ug/l

RT: 15.03 min Scan# 2181

Delta R.T. 0.03 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

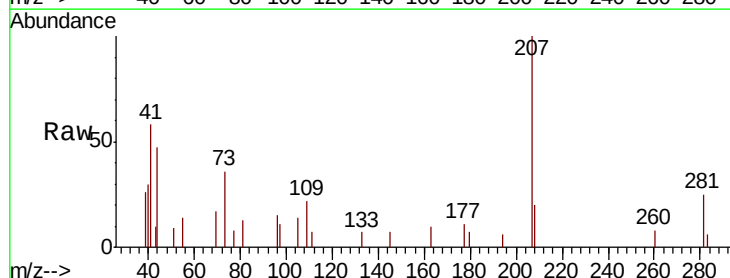
Tgt Ion: 180 Resp: 23

Ion Ratio Lower Upper

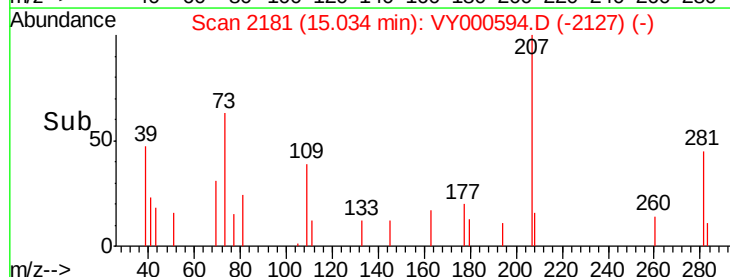
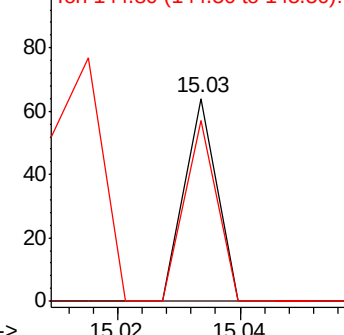
180 100

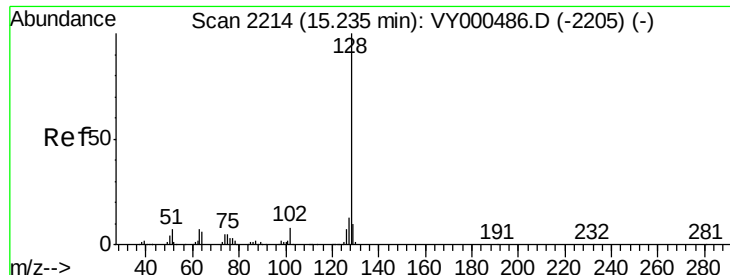
182 0.0 47.8 143.4#

145 91.3 16.0 47.9#



Abundance Ion 179.80 (179.50 to 180.50): VY000486.D (-2168) (-)





#95

Naphthalene

Concen: 3.410 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000594.D

Acq: 07 Nov 2019 20:16

Instrument :

MSVOA_Y

ClientSampleId :

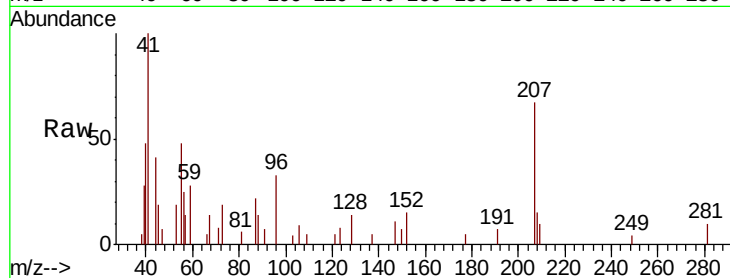
Tot Ion:128 Resp: 171

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.6#

129 0.0 8.7 13.1#



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

