

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001966.D
 Acq On : 12 Mar 2020 19:48
 Operator : SY/MD
 Sample : L1913-16
 Misc : 6.65G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B4

Quant Time: Mar 13 05:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	161674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	302579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	85577	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	99641	57.73	ug/l	0.00
Spiked Amount			Recovery	=	115.46%	
35) Dibromofluoromethane	7.74	113	90327	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
50) Toluene-d8	10.19	98	363554	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.49	95	106255	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	

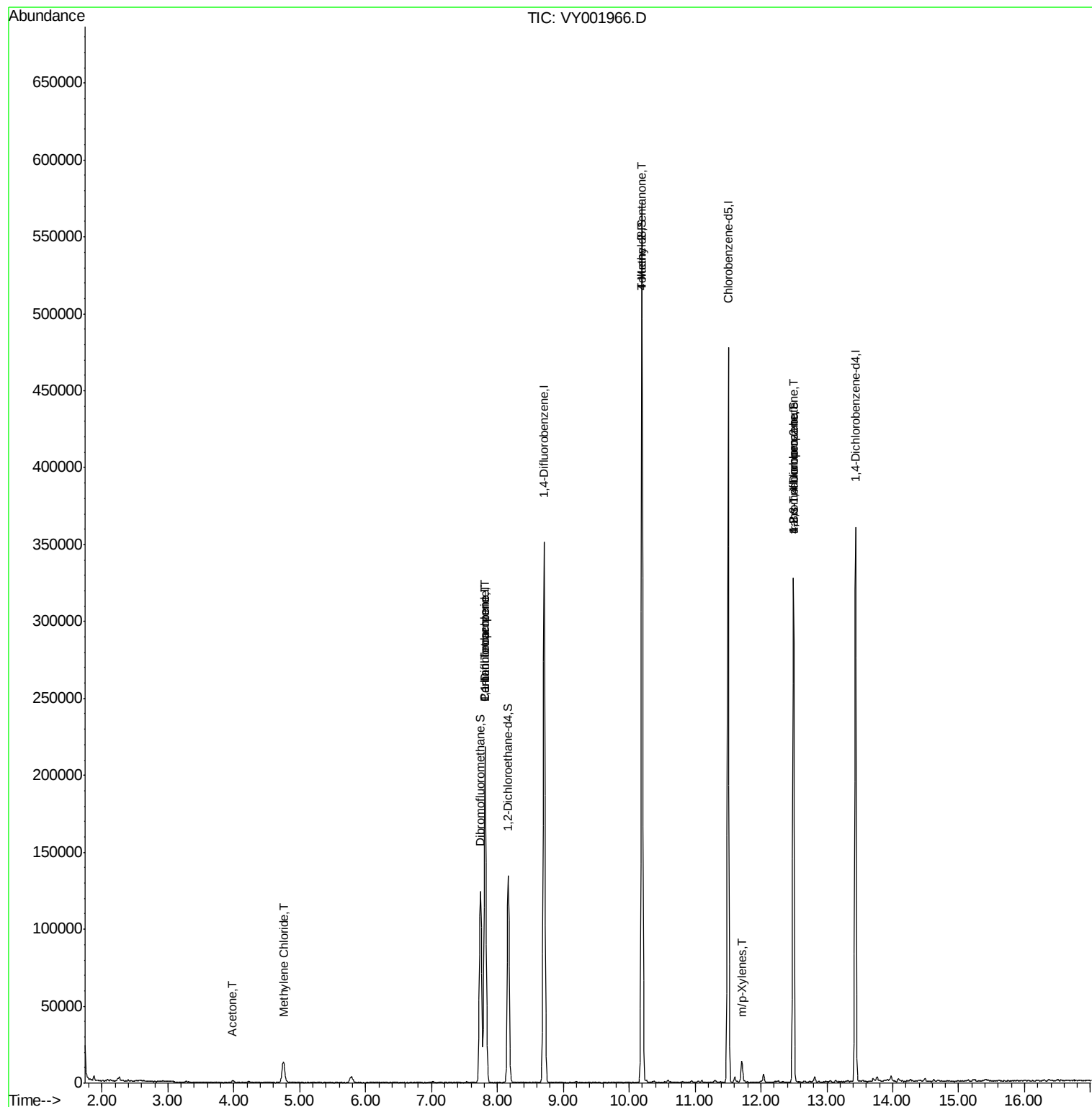
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	116	Below Cal	#	74
16) Acetone	3.98	43	2362	4.70	ug/l #	84
20) Methylene Chloride	4.75	84	10042	4.66	ug/l	87
36) 1,1-Dichloropropene	7.82	75	13374	4.59	ug/l #	52
38) Carbon Tetrachloride	7.82	117	16651	6.69	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1669	1.01	ug/l #	1
68) m/p-Xylenes	11.71	106	4262	1.22	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	53544	52.73	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53544	106.51	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001966.D

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Instrument :

MSVOA_Y

ClientSampleId :

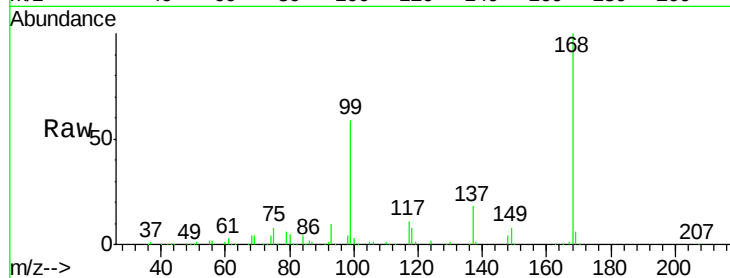
MK-031220-4-5-GRAB-B4

Tgt Ion:168 Resp: 161674

Ion Ratio Lower Upper

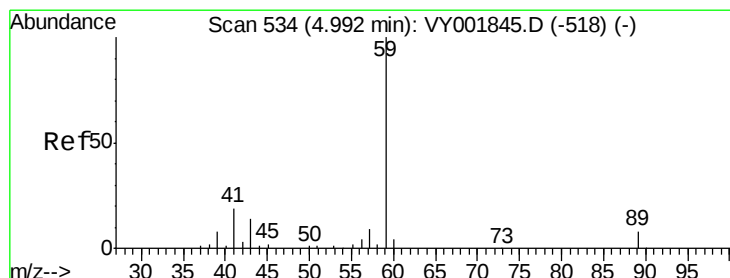
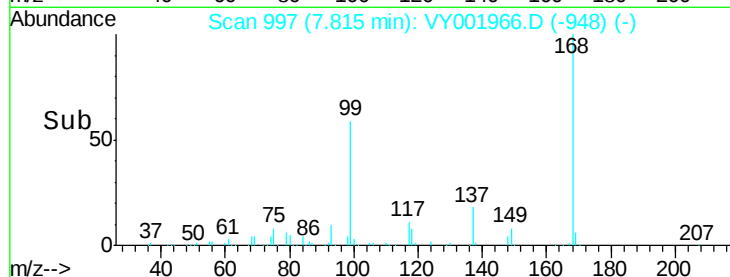
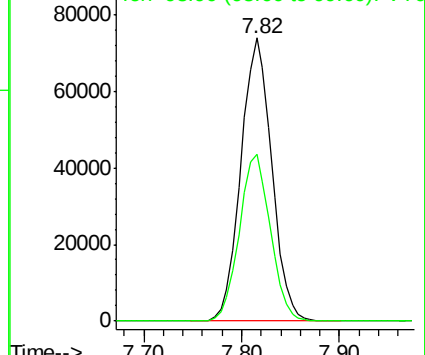
168 100

99 59.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001966.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001966.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001966.D

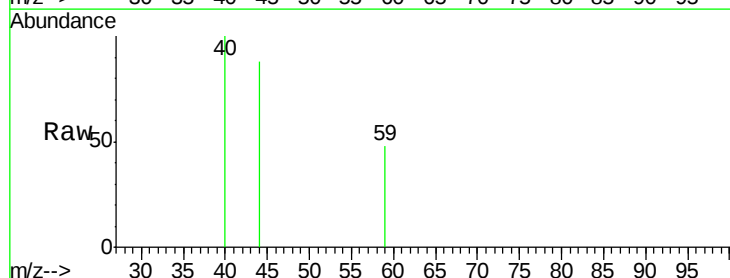
Acq: 12 Mar 2020 19:48

Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

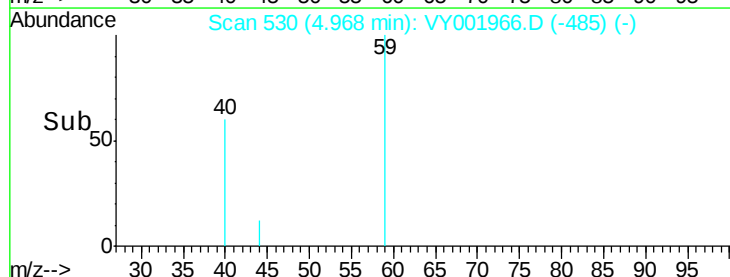
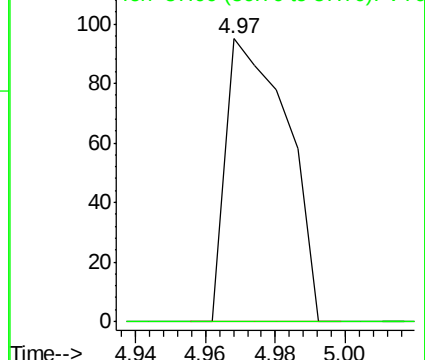
59 100

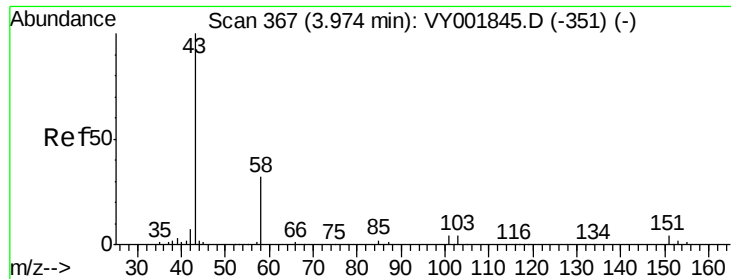
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001966.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001966.D (-485) (-)





#16

Acetone

Concen: 4.70 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001966.D

Acq: 12 Mar 2020 19:48

Instrument :

MSVOA_Y

ClientSampleId :

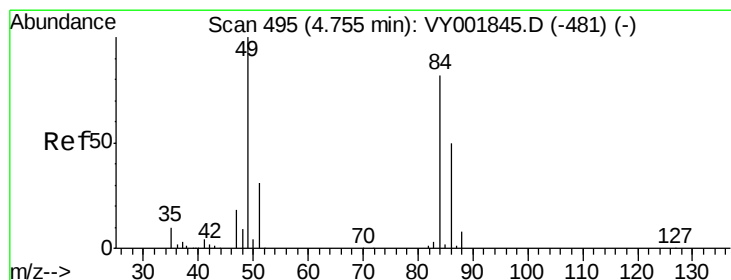
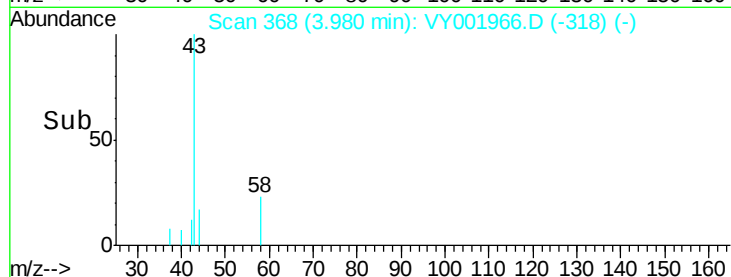
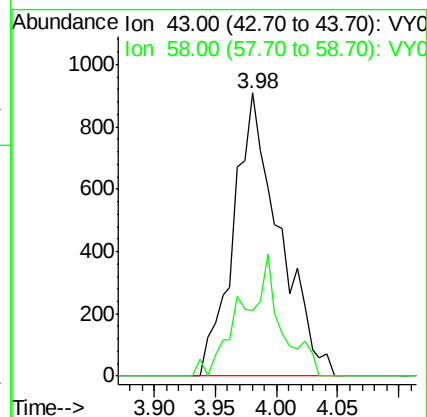
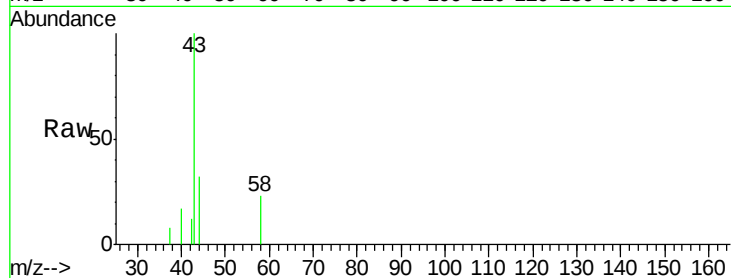
MK-031220-4-5-GRAB-B4

Tgt Ion: 43 Resp: 2362

Ion Ratio Lower Upper

43 100

58 23.5 25.9 38.9#



#20

Methylene Chloride

Concen: 4.66 ug/l

RT: 4.75 min Scan# 495

Delta R.T. -0.00 min

Lab File: VY001966.D

Acq: 12 Mar 2020 19:48

Tgt Ion: 84 Resp: 10042

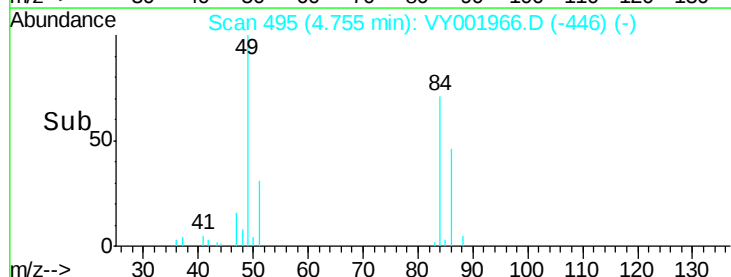
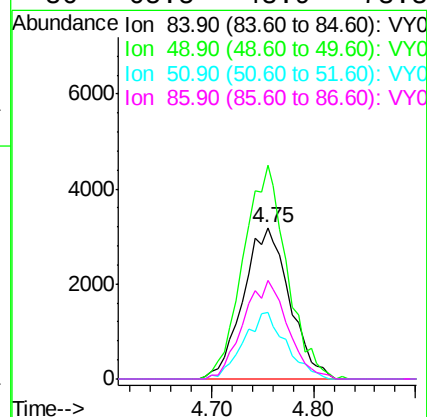
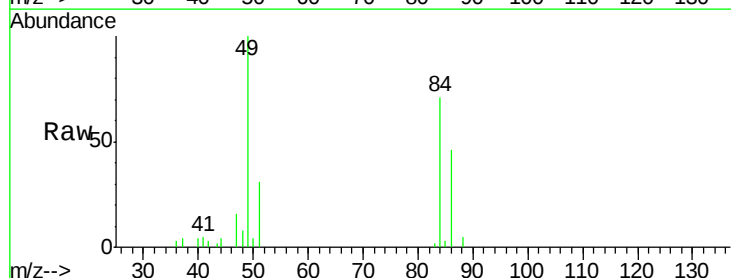
Ion Ratio Lower Upper

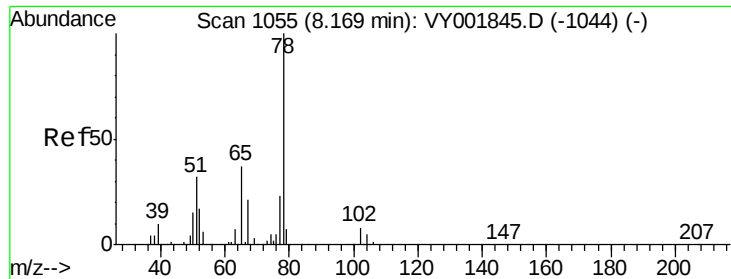
84 100

49 141.3 98.2 147.2

51 44.4 30.2 45.2

86 65.5 48.9 73.3

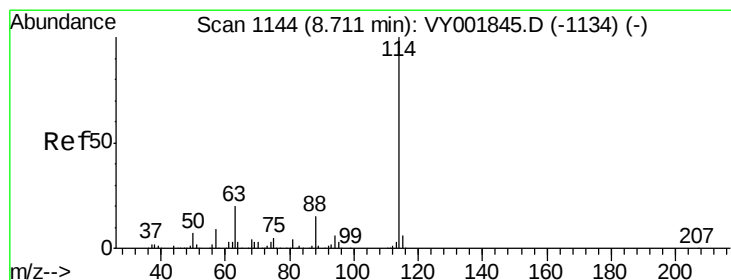
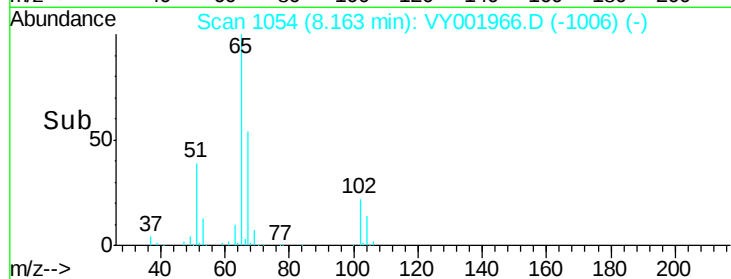
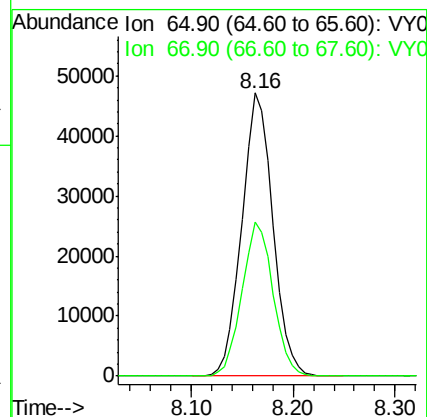
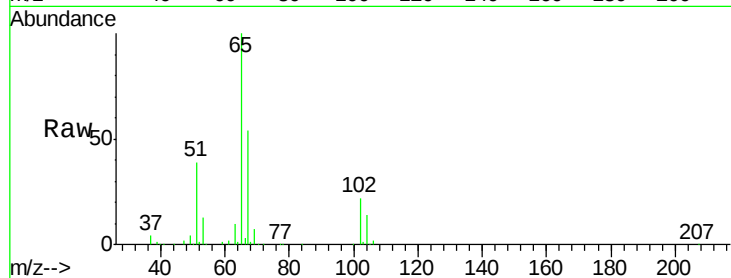




#33
 1,2-Dichloroethane-d4
 Concen: 57.73 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001966.D
 Acq: 12 Mar 2020 19:48

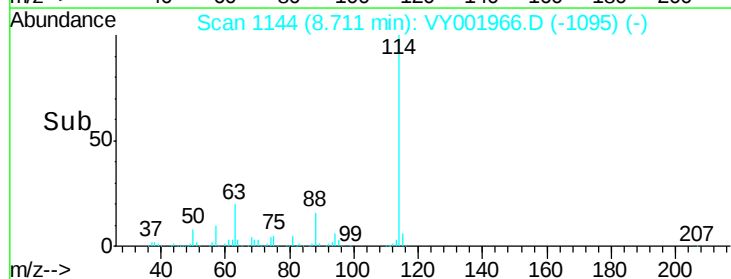
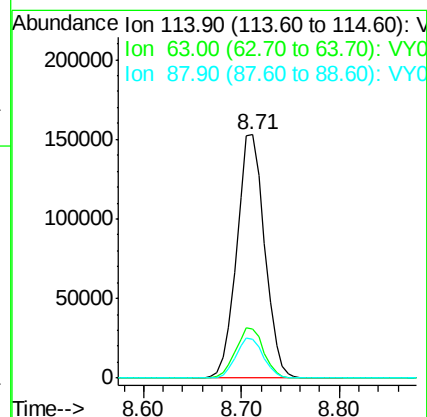
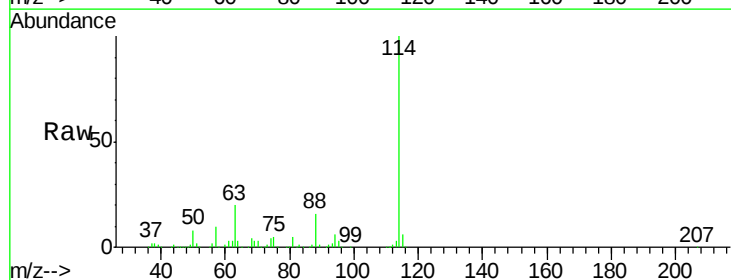
Instrument :
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 MK-031220-4-5-GRAB-B4

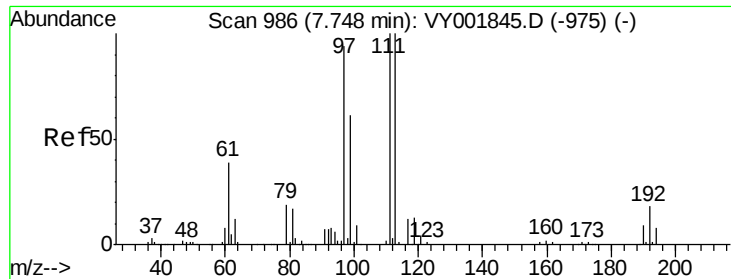
Tgt Ion: 65 Resp: 99641
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001966.D
 Acq: 12 Mar 2020 19:48

Tgt Ion: 114 Resp: 302579
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.9 0.0 30.4

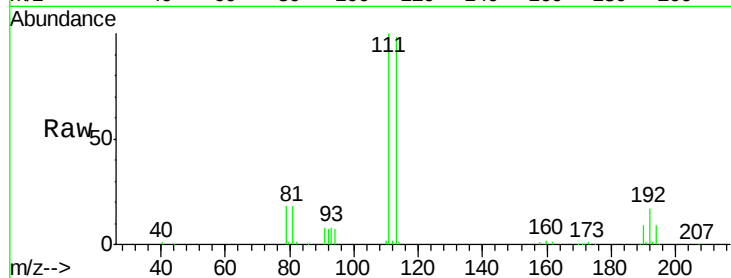




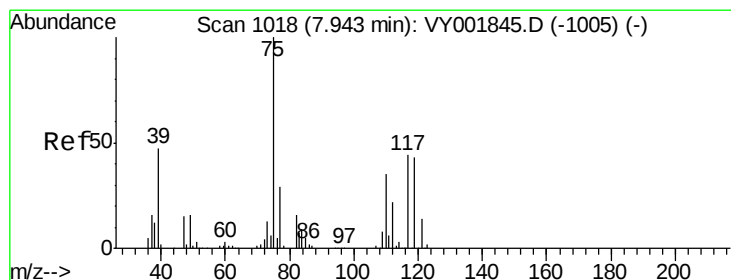
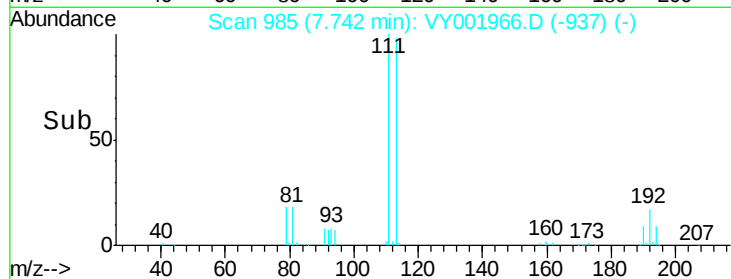
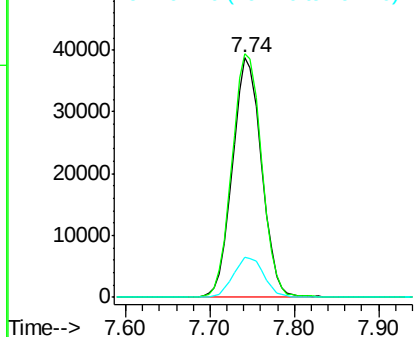
#35
 Dibromofluoromethane
 Concen: 54.67 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001966.D
 Acq: 12 Mar 2020 19:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-4-5-GRAB-B4

Tgt Ion:113 Resp: 90327
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.8 122.8
 192 17.4 14.2 21.2

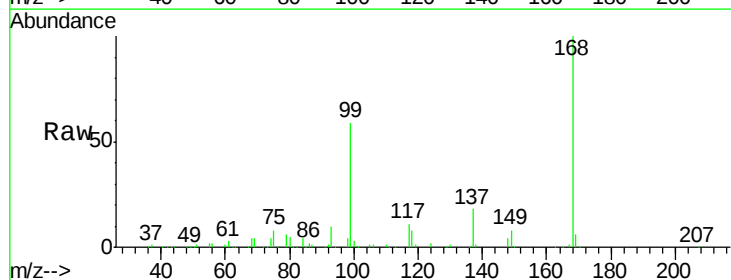


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

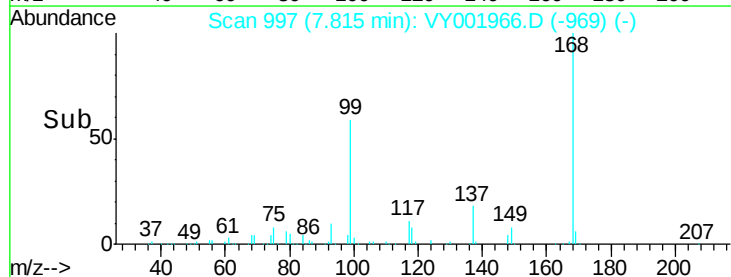
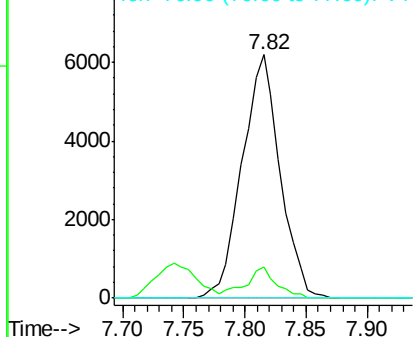


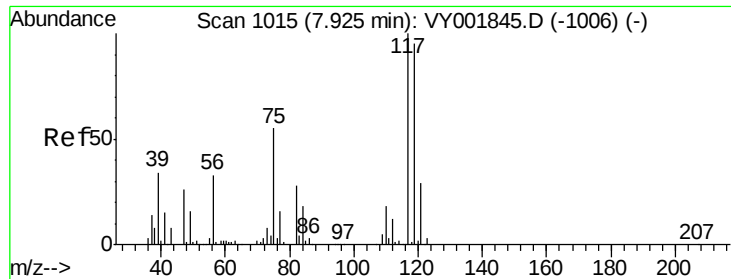
#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001966.D
 Acq: 12 Mar 2020 19:48

Tgt Ion: 75 Resp: 13374
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.4 52.2#
 77 0.0 24.2 36.2#



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

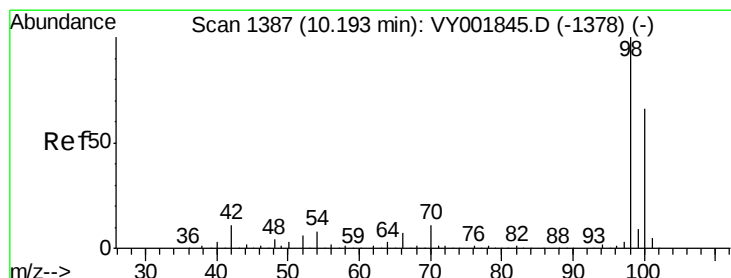
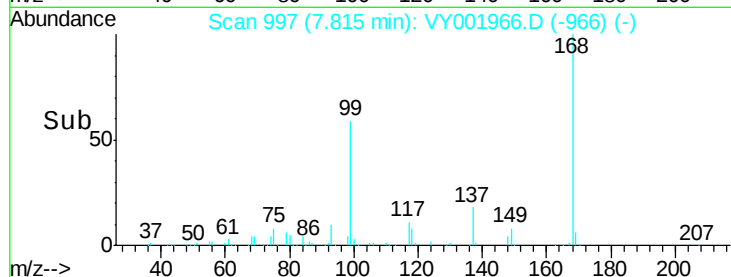
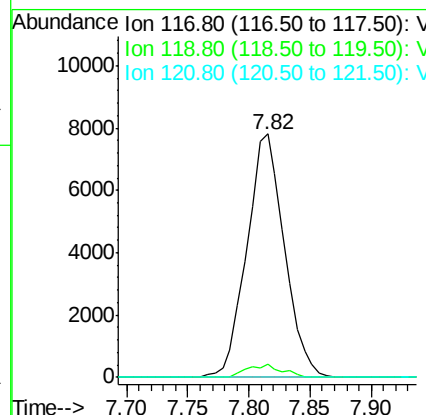
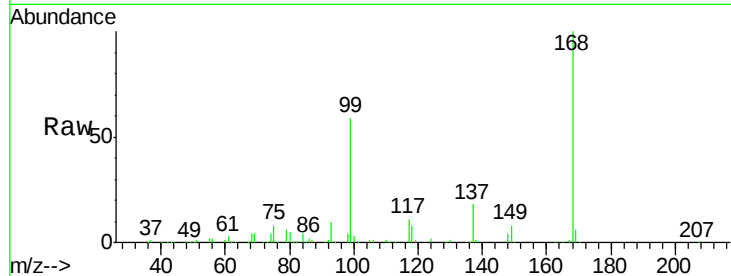




#38
Carbon Tetrachloride
Concen: 6.69 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001966.D
Acq: 12 Mar 2020 19:48

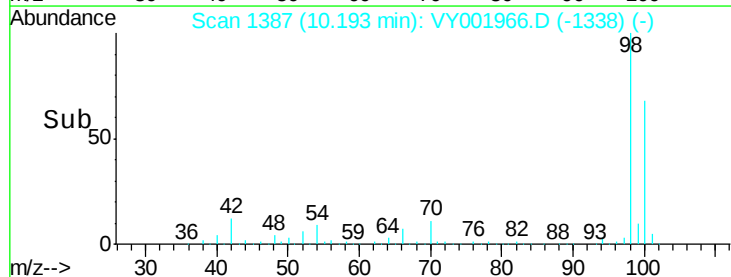
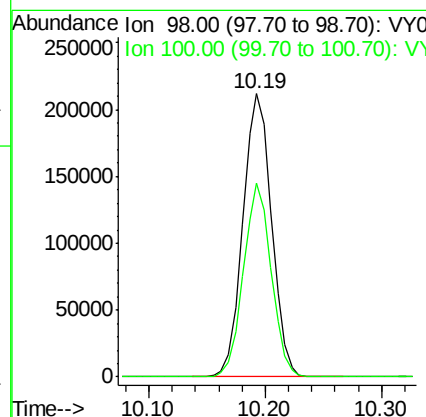
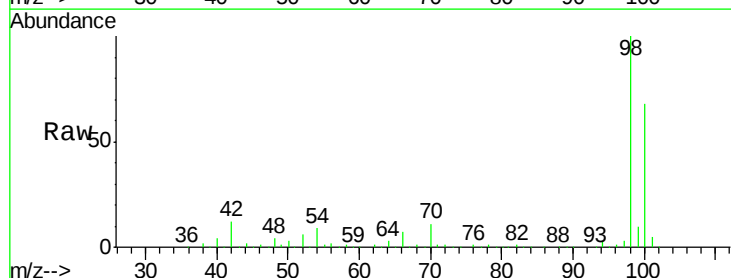
Instrument :
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ClientSampleId :
MK-031220-4-5-GRAB-B4

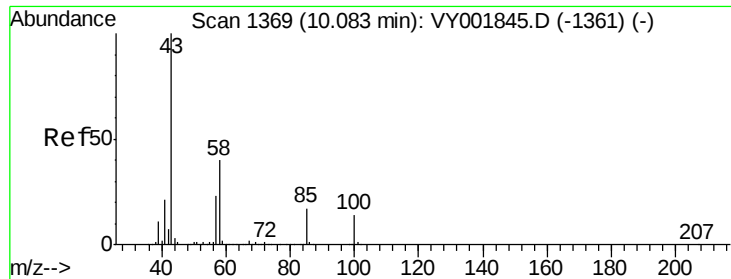
Tgt Ion:117 Resp: 16651
Ion Ratio Lower Upper
117 100
119 5.5 76.3 114.5#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 52.18 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001966.D
Acq: 12 Mar 2020 19:48

Tgt Ion: 98 Resp: 363554
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 1.01 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001966.D

Acq: 12 Mar 2020 19:48

Instrument :

MSVOA_Y

ClientSampleId :

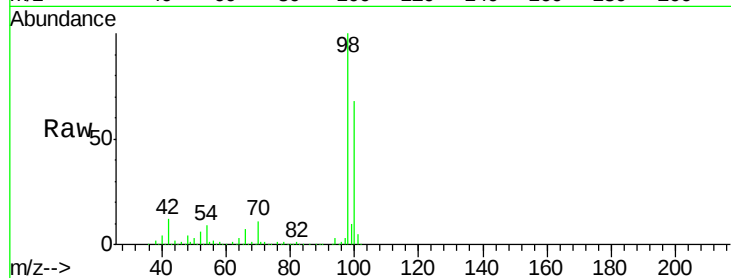
MK-031220-4-5-GRAB-B4

Tgt Ion: 43 Resp: 1669

Ion Ratio Lower Upper

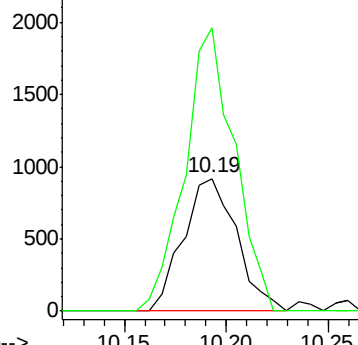
43 100

58 198.6 32.0 48.0#

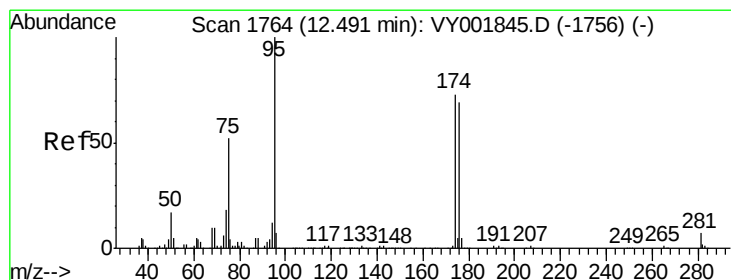
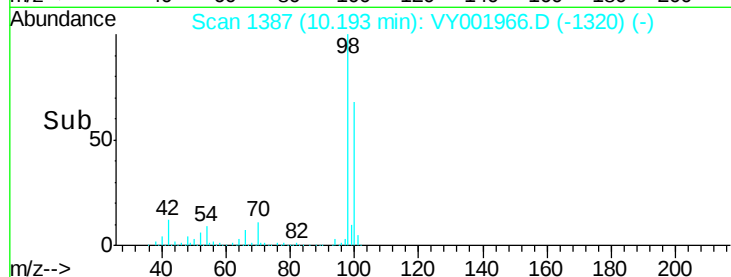


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 43.86 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY001966.D

Acq: 12 Mar 2020 19:48

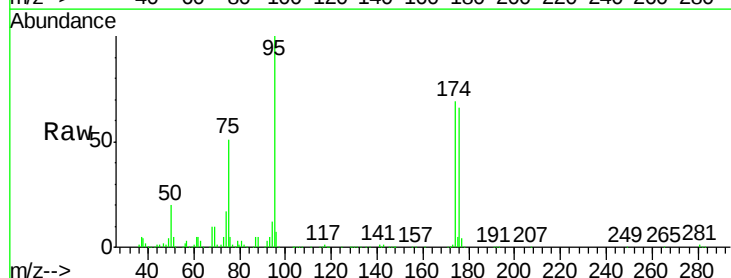
Tgt Ion: 95 Resp: 106255

Ion Ratio Lower Upper

95 100

174 70.6 0.0 145.0

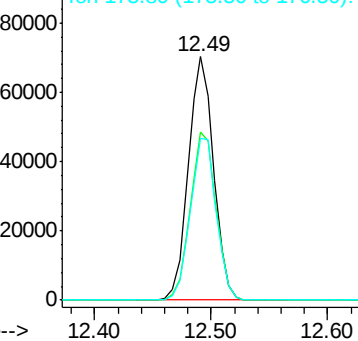
176 68.4 0.0 137.4



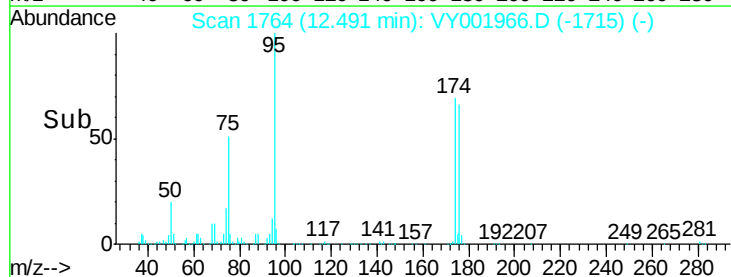
Abundance Ion 94.90 (94.60 to 95.60): VY0

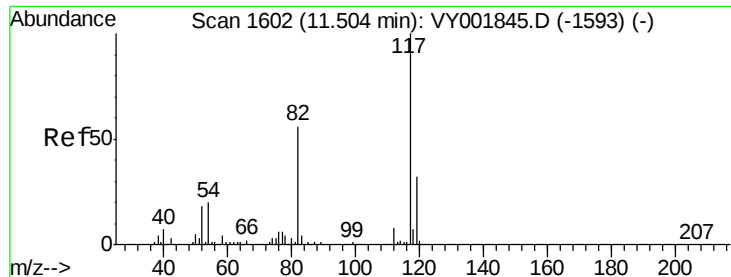
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

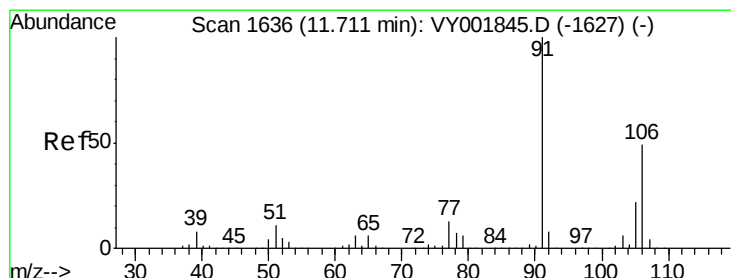
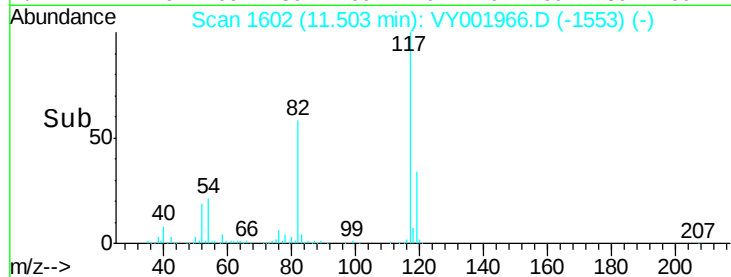
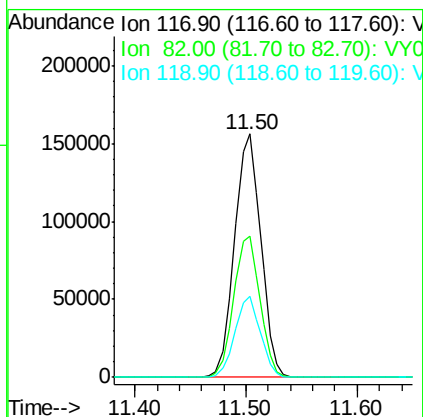
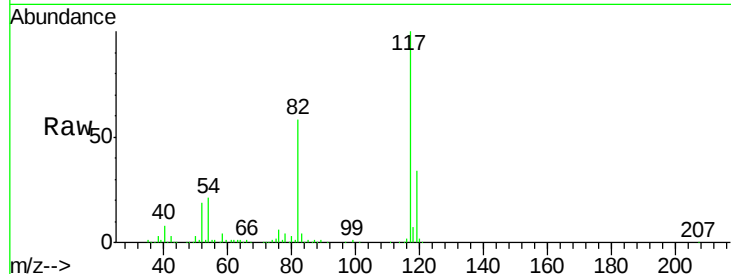




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001966.D
Acq: 12 Mar 2020 19:48

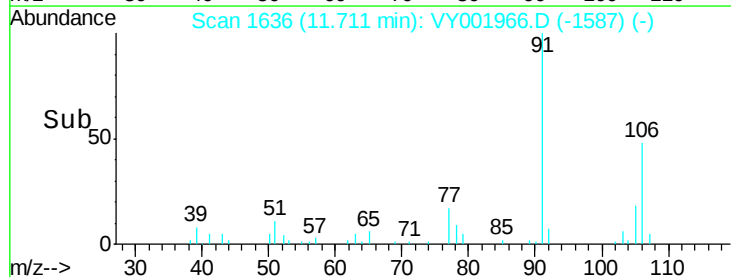
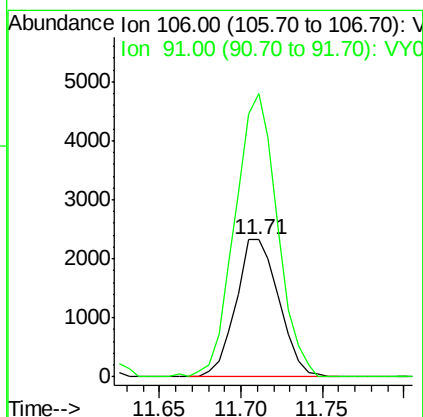
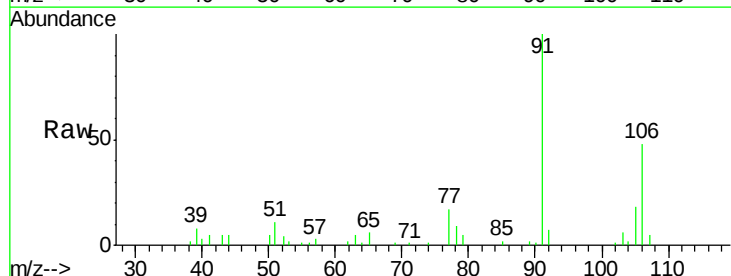
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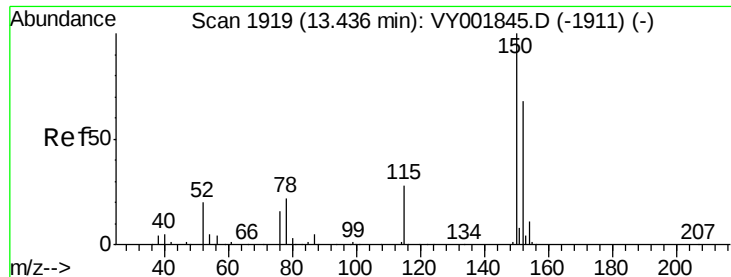
Tgt Ion:117 Resp: 255318
Ion Ratio Lower Upper
117 100
82 58.1 44.5 66.7
119 33.5 25.7 38.5



#68
m/p-Xylenes
Concen: 1.22 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001966.D
Acq: 12 Mar 2020 19:48

Tgt Ion:106 Resp: 4262
Ion Ratio Lower Upper
106 100
91 204.0 161.3 241.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001966.D

Acq: 12 Mar 2020 19:48

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B4

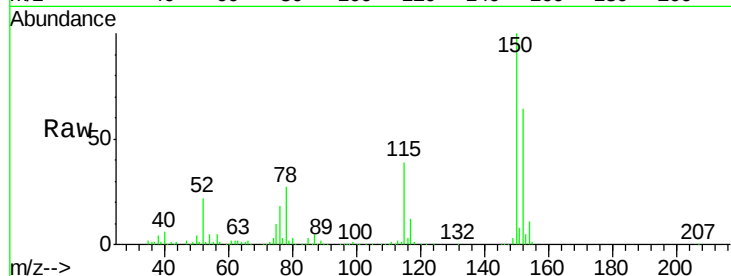
Tgt Ion: 152 Resp: 85577

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.7

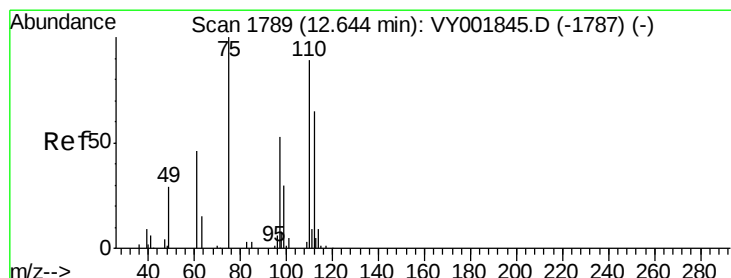
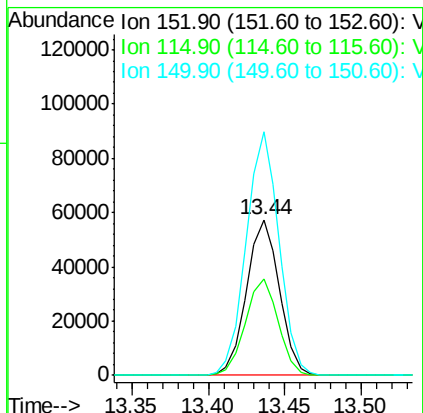
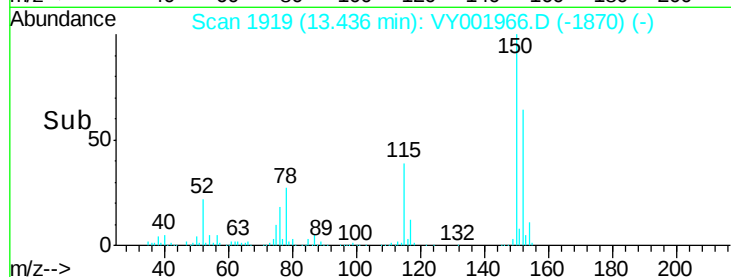
150 156.2 0.0 340.6



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



#76

1,2,3-Trichloropropane

Concen: 52.73 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001966.D

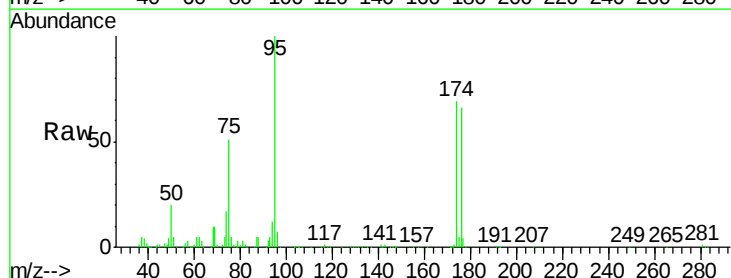
Acq: 12 Mar 2020 19:48

Tgt Ion: 75 Resp: 53544

Ion Ratio Lower Upper

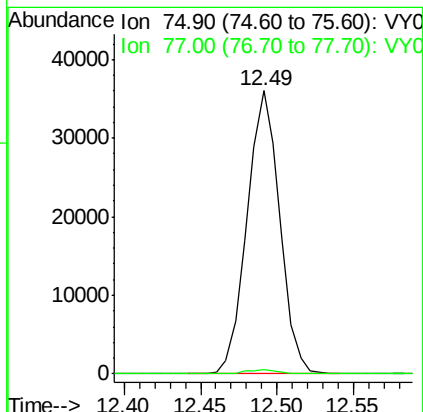
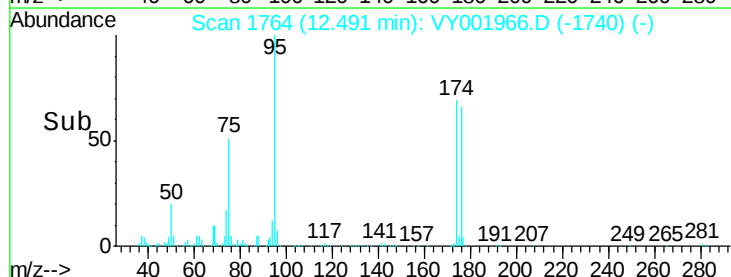
75 100

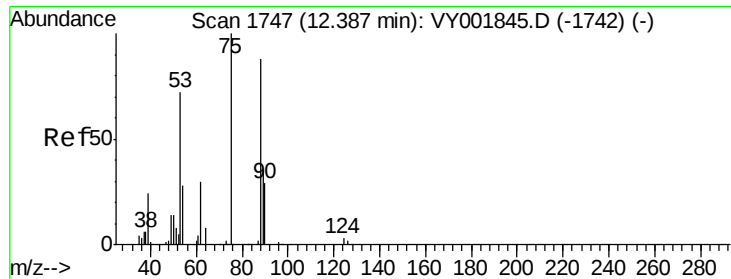
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 106.51 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001966.D

Acq: 12 Mar 2020 19:48

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-4-5-GRAB-B4

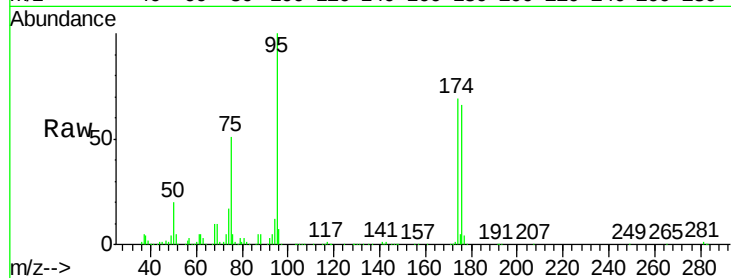
Tgt Ion: 75 Resp: 53544

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#



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

