

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001964.D
 Acq On : 12 Mar 2020 19:03
 Operator : SY/MD
 Sample : L1913-09
 Misc : 6.75G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B2

Quant Time: Mar 13 05:43:01 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	161898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	307378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	84050	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	100406	58.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.18%	
35) Dibromofluoromethane	7.74	113	85459	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
50) Toluene-d8	10.19	98	369985	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.49	95	104239	42.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.72%	

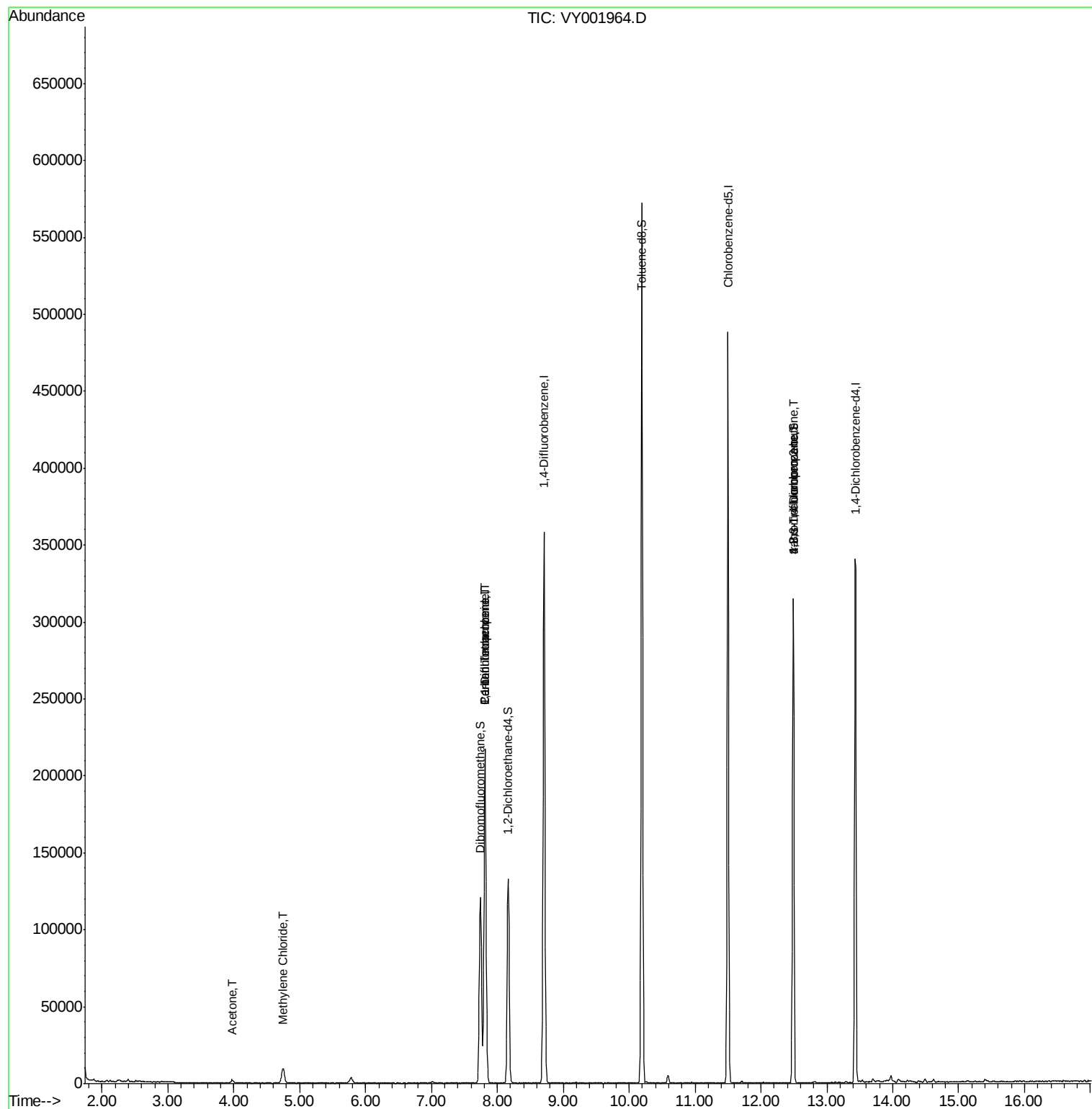
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.51	94	22	Below Cal	#	53
11) Tert butyl alcohol	4.99	59	113	Below Cal	#	74
16) Acetone	3.97	43	4219	8.38	ug/l	93
20) Methylene Chloride	4.74	84	7556	3.50	ug/l	97
36) 1,1-Dichloropropene	7.81	75	13918	4.71	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16229	6.42	ug/l #	14
76) 1,2,3-Trichloropropane	12.49	75	51687	51.83	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51687	104.69	ug/l #	17

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001964.D

Acq: 12 Mar 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

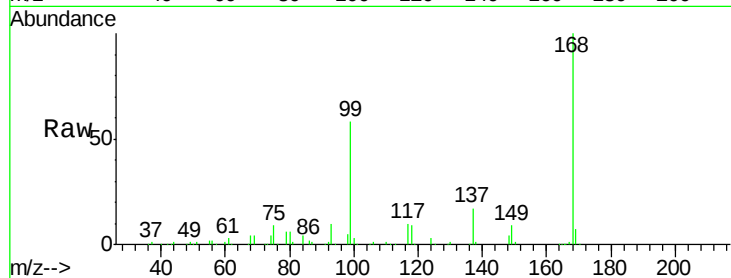
MK-031220-0-1-GRAB-B2

Tgt Ion:168 Resp: 161898

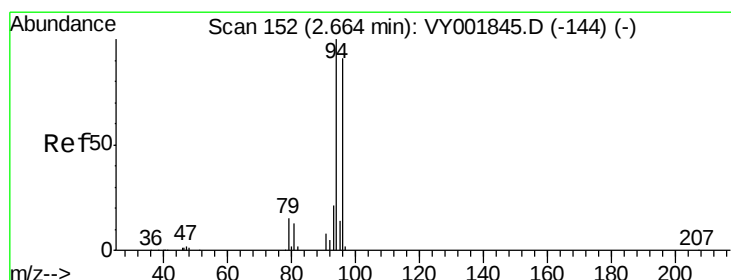
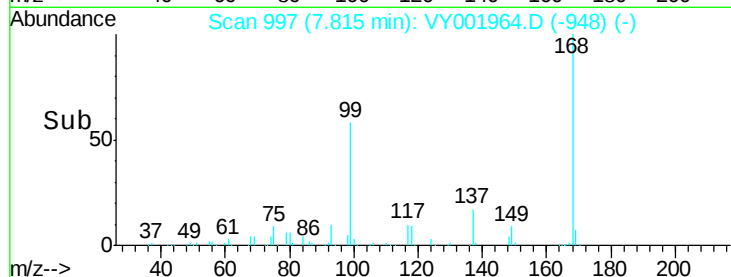
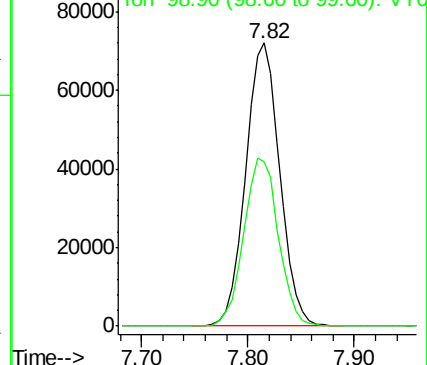
Ion Ratio Lower Upper

168 100

99 58.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.51 min Scan# 126

Delta R.T. -0.16 min

Lab File: VY001964.D

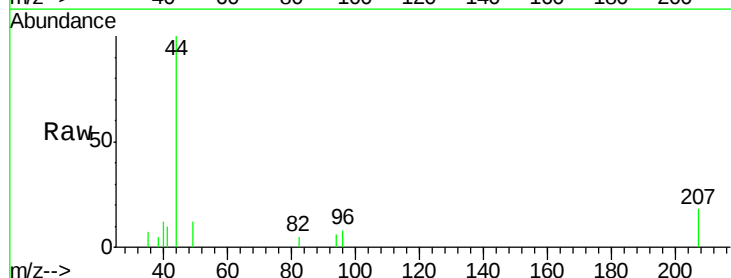
Acq: 12 Mar 2020 19:03

Tgt Ion: 94 Resp: 22

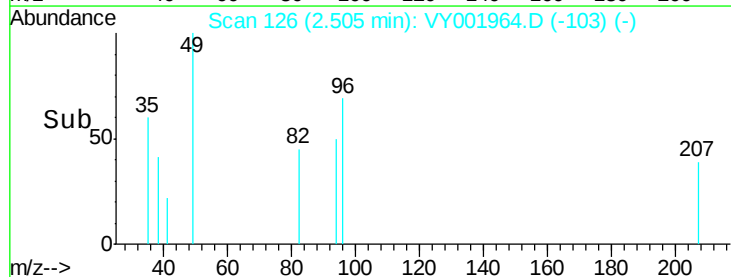
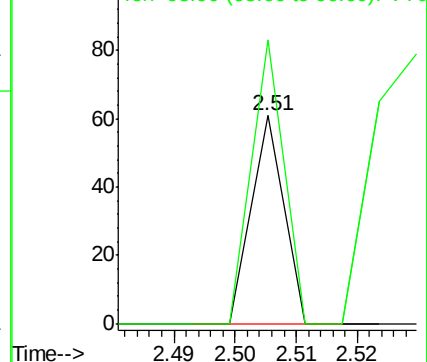
Ion Ratio Lower Upper

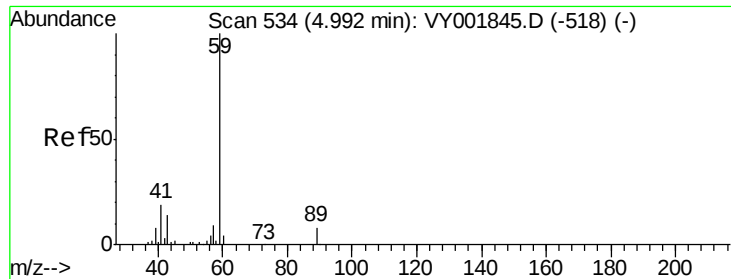
94 100

96 136.1 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)



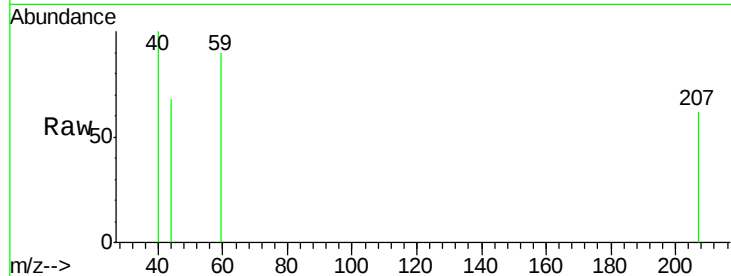


#11

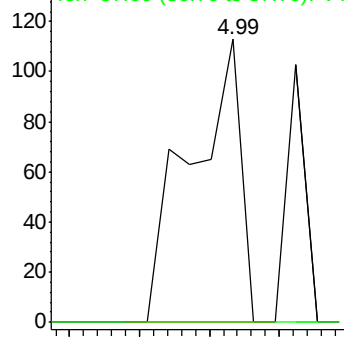
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001964.D
 Acq: 12 Mar 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B2

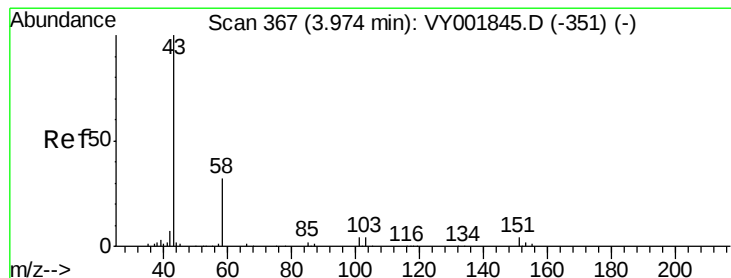
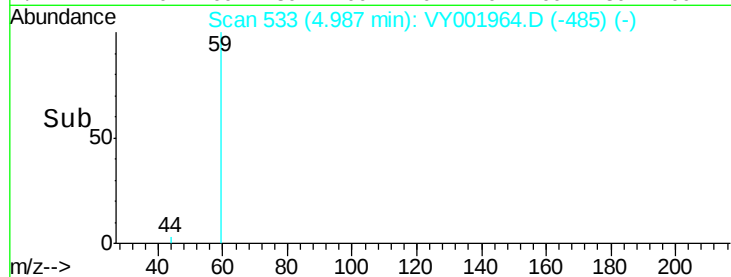
Tgt Ion: 59 Resp: 113
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



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



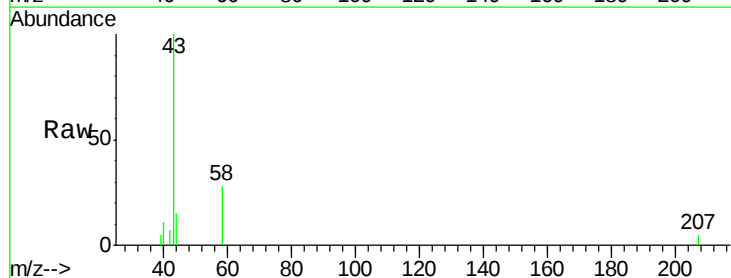
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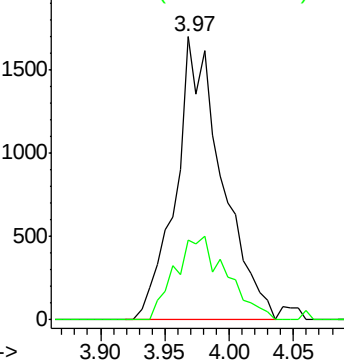
#16

Acetone
 Concen: 8.38 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY001964.D
 Acq: 12 Mar 2020 19:03

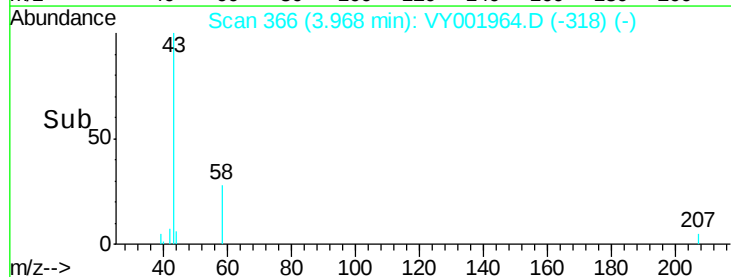
Tgt Ion: 43 Resp: 4219
 Ion Ratio Lower Upper
 43 100
 58 28.4 25.9 38.9

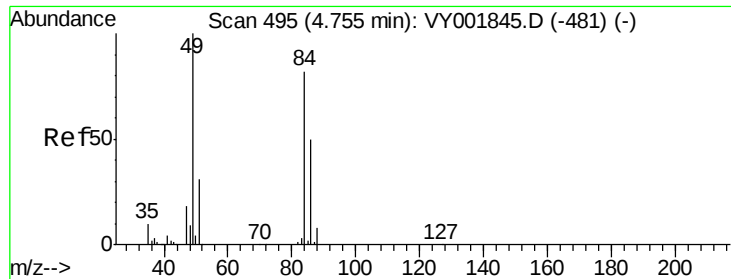


Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0



Time-->

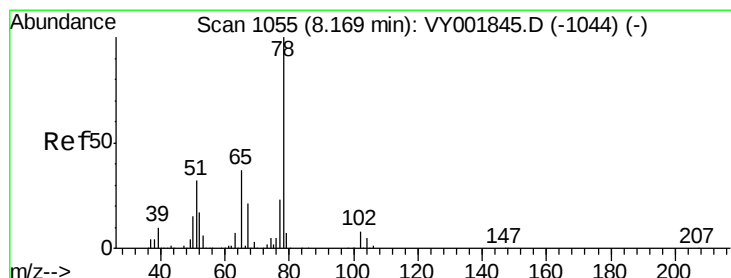
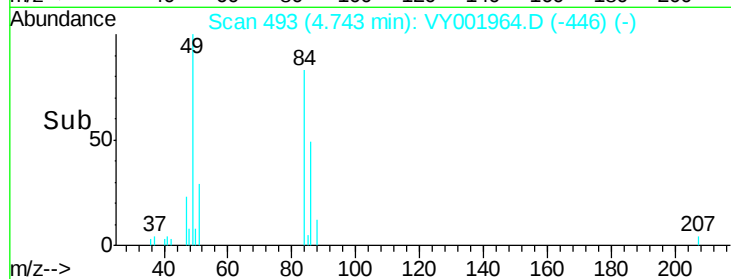
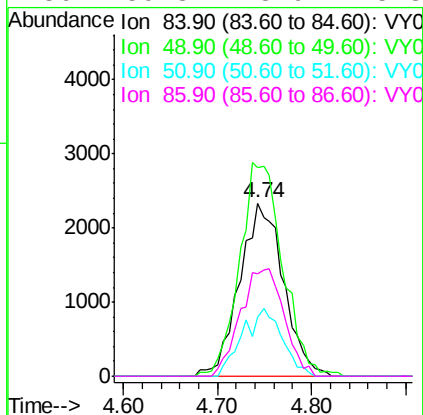
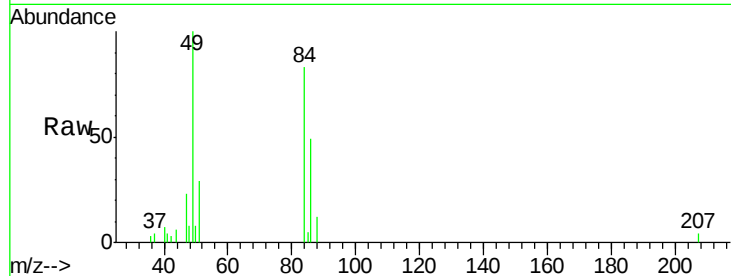




#20
Methylene Chloride
Concen: 3.50 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001964.D
Acq: 12 Mar 2020 19:03

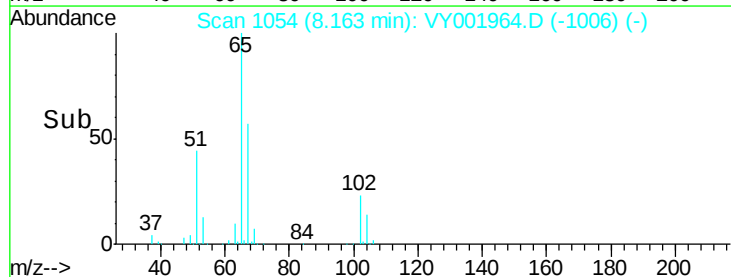
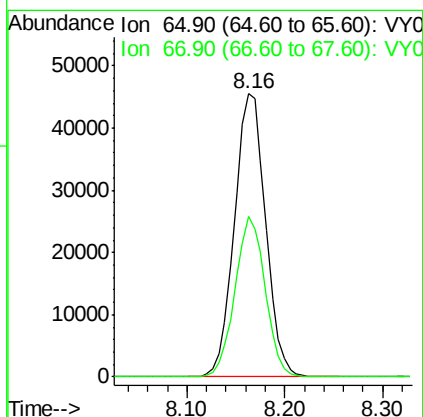
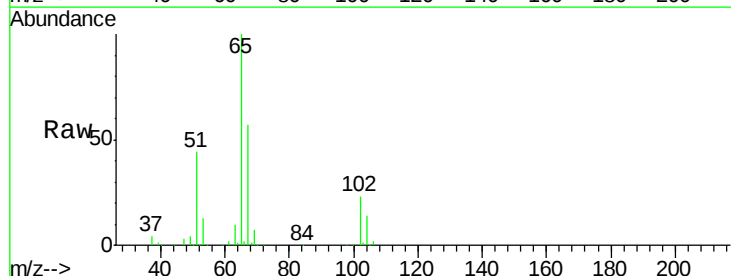
Instrument :
MSVOA_Y
ClientSampleId :
MK-031220-0-1-GRAB-B2

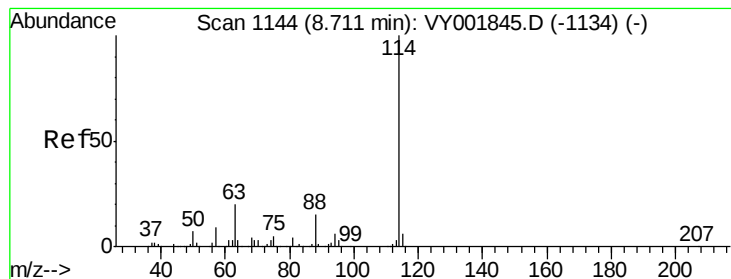
Tgt Ion:	84	Resp:	7556
Ion	Ratio	Lower	Upper
84	100		
49	120.3	98.2	147.2
51	34.3	30.2	45.2
86	59.3	48.9	73.3



#33
1,2-Dichloroethane-d4
Concen: 58.09 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001964.D
Acq: 12 Mar 2020 19:03

Tgt Ion:	65	Resp:	100406
Ion	Ratio	Lower	Upper
65	100		
67	54.9	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: VY001964.D

Acq: 12 Mar 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

MK-031220-0-1-GRAB-B2

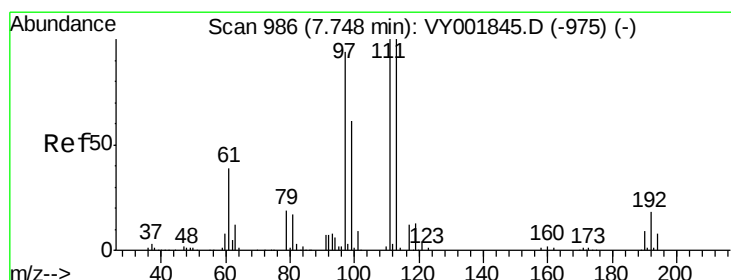
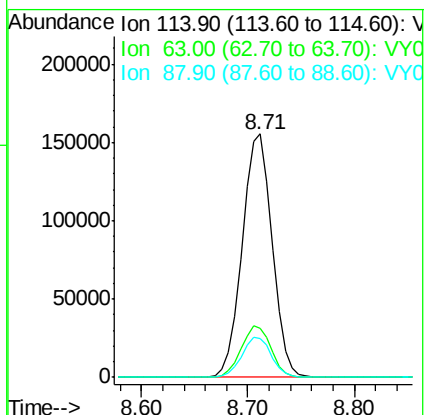
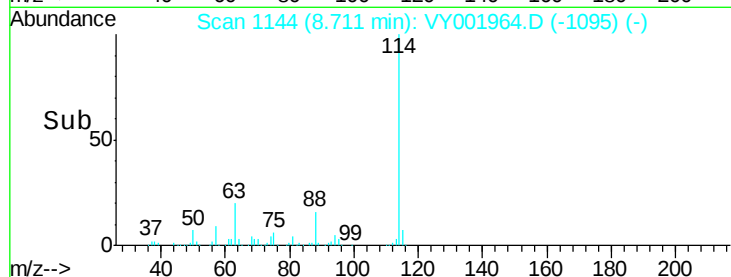
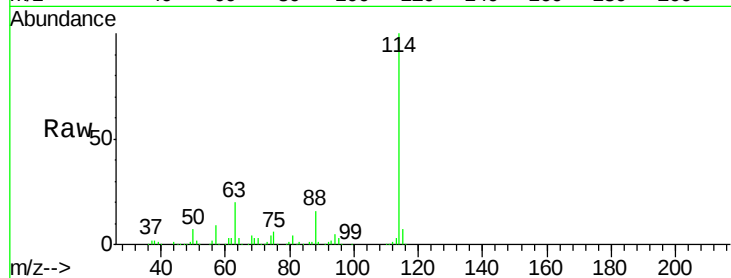
Tgt Ion:114 Resp: 307378

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

88 15.9 0.0 30.4



#35

Dibromofluoromethane

Concen: 50.92 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001964.D

Acq: 12 Mar 2020 19:03

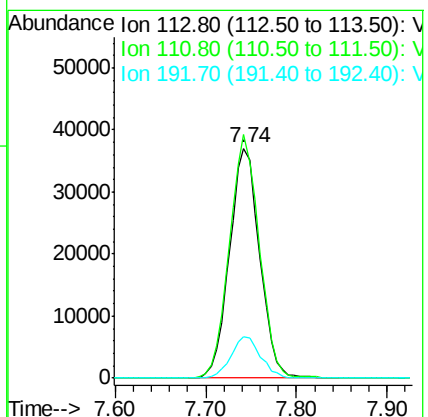
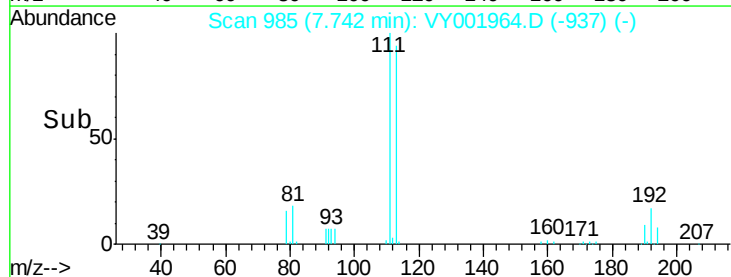
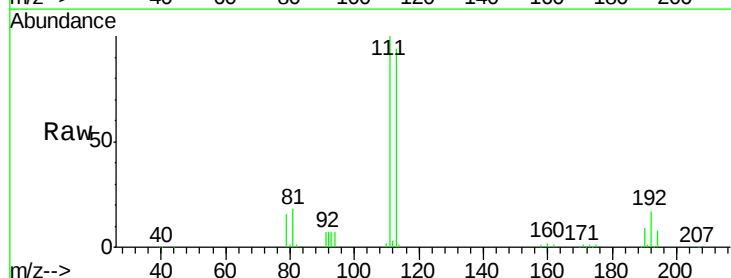
Tgt Ion:113 Resp: 85459

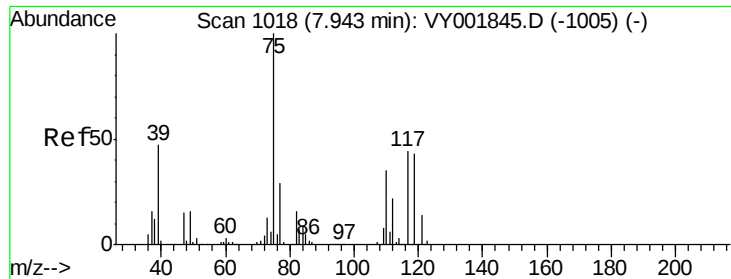
Ion Ratio Lower Upper

113 100

111 105.0 81.8 122.8

192 17.8 14.2 21.2

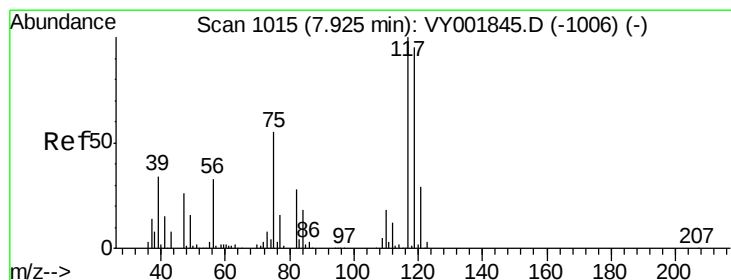
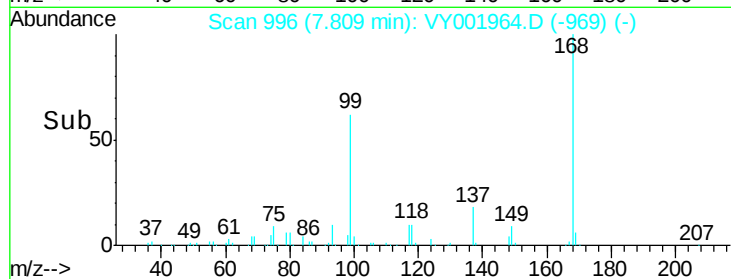
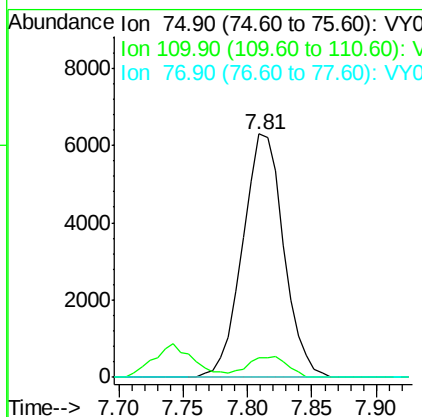
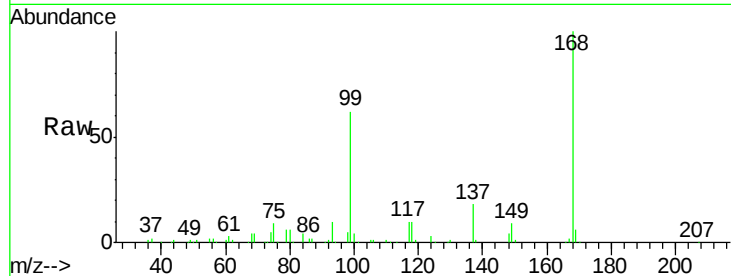




#36
 1,1-Dichloropropene
 Concen: 4.71 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001964.D
 Acq: 12 Mar 2020 19:03

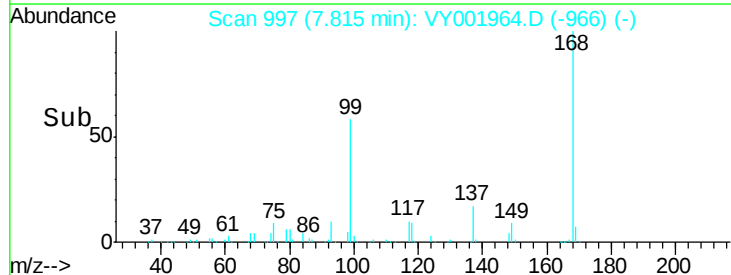
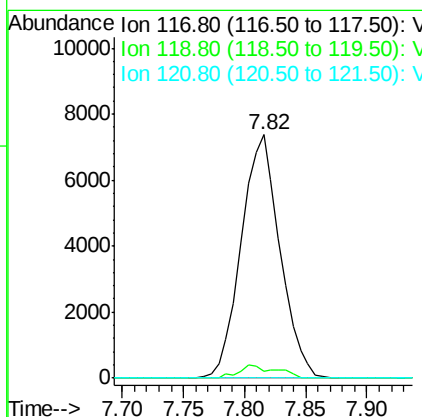
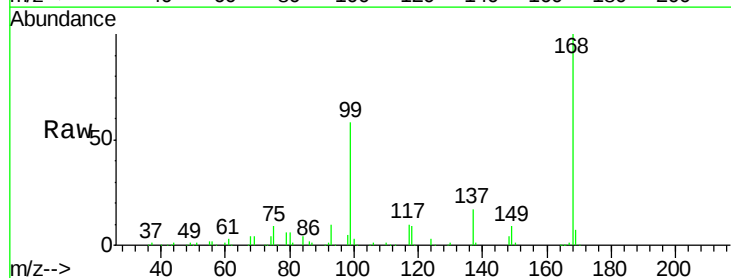
Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B2

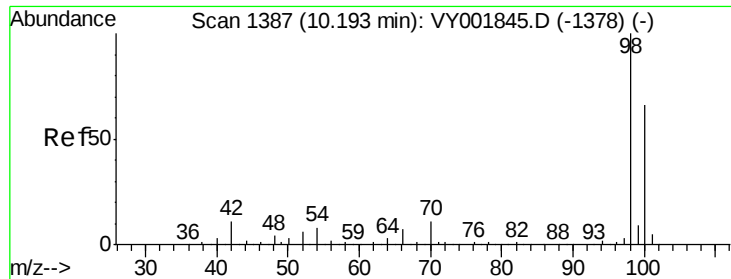
Tgt Ion: 75 Resp: 13918
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.42 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001964.D
 Acq: 12 Mar 2020 19:03

Tgt Ion: 117 Resp: 16229
 Ion Ratio Lower Upper
 117 100
 119 2.7 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.28 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001964.D

Acq: 12 Mar 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

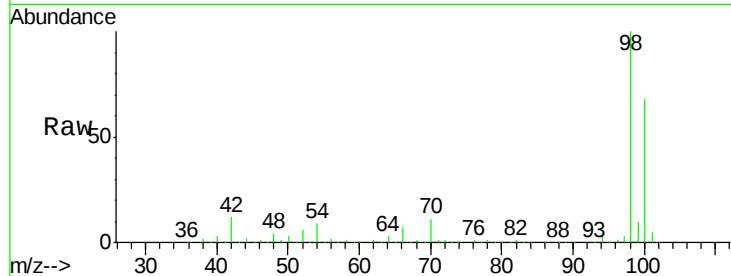
MK-031220-0-1-GRAB-B2

Tgt Ion: 98 Resp: 369985

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

250000

200000

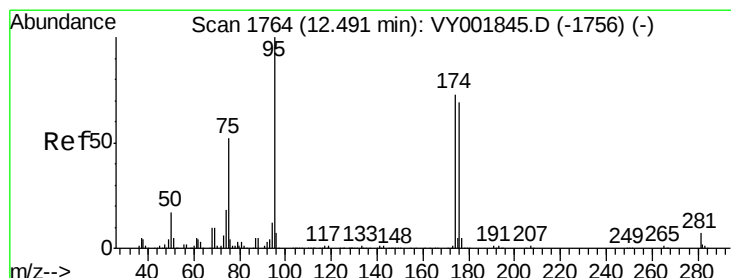
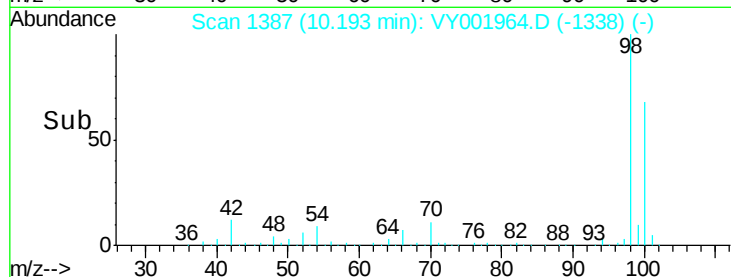
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.36 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001964.D

Acq: 12 Mar 2020 19:03

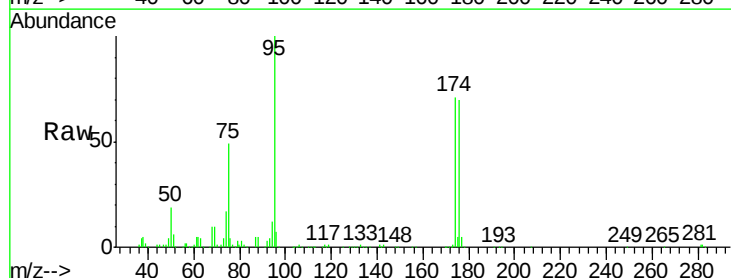
Tgt Ion: 95 Resp: 104239

Ion Ratio Lower Upper

95 100

174 70.5 0.0 145.0

176 69.0 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

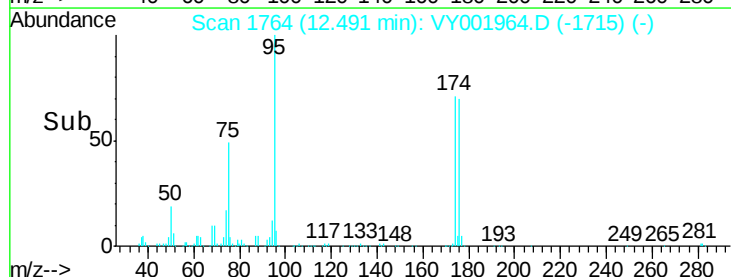
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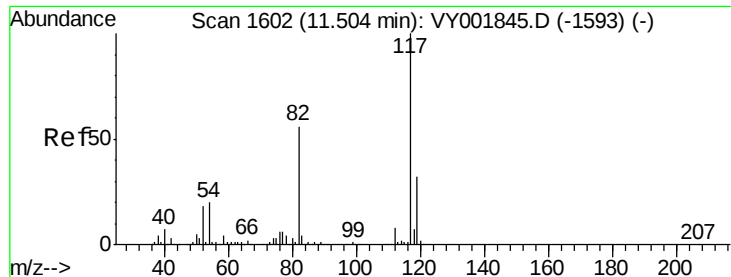
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20000

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Time-->

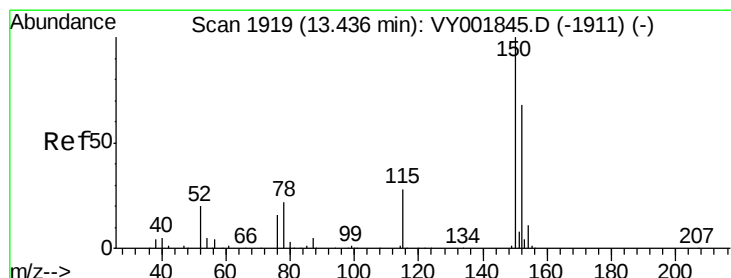
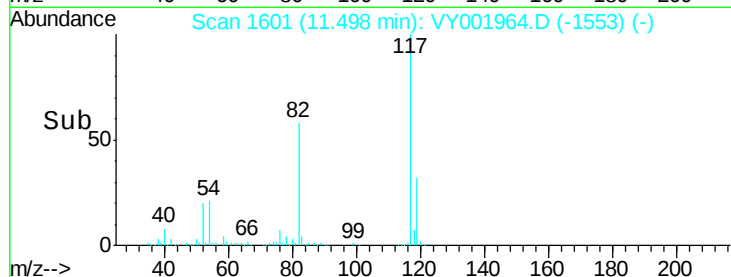
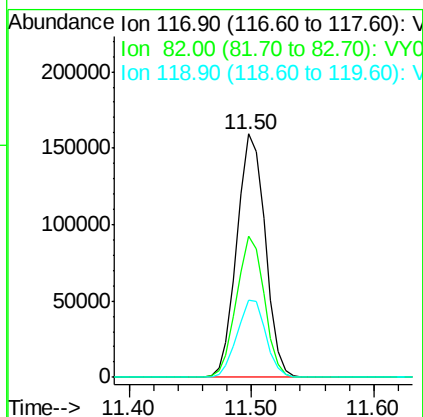
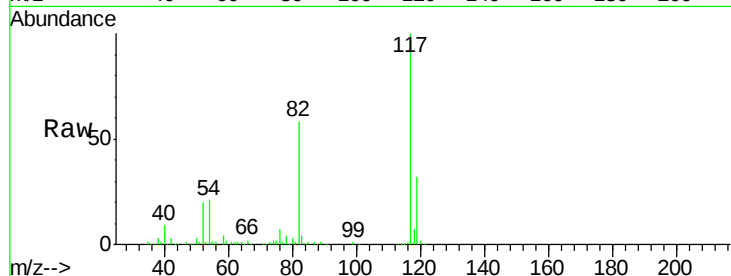




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001964.D
Acq: 12 Mar 2020 19:03

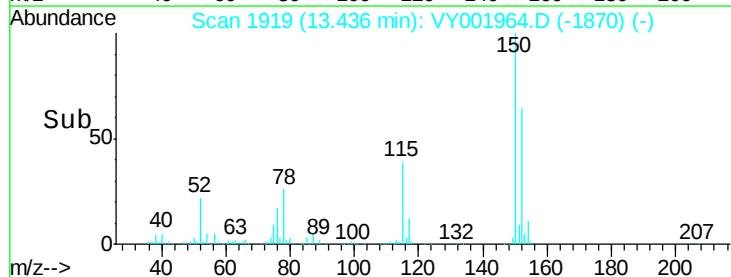
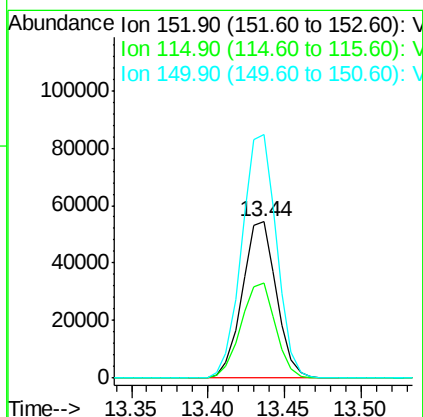
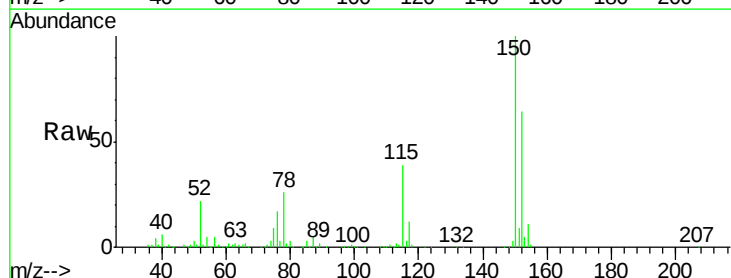
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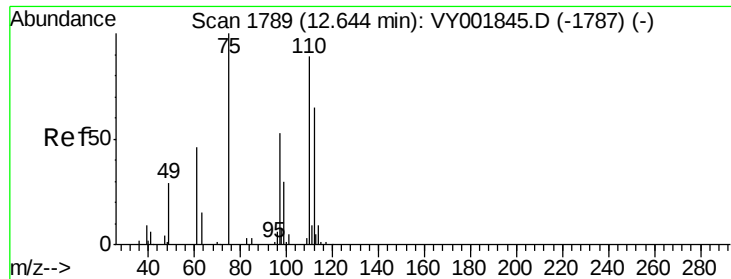
Tgt Ion:117 Resp: 25524
Ion Ratio Lower Upper
117 100
82 58.2 44.5 66.7
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001964.D
Acq: 12 Mar 2020 19:03

Tgt Ion:152 Resp: 84050
Ion Ratio Lower Upper
152 100
115 61.3 29.9 89.7
150 158.7 0.0 340.6

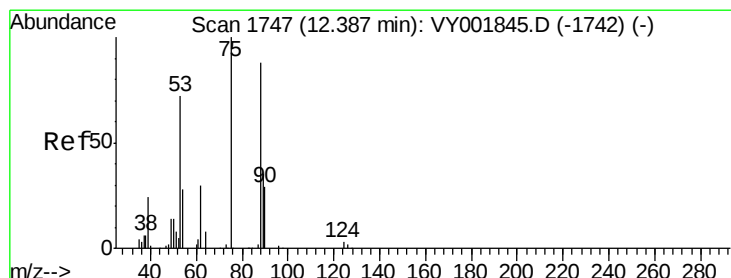
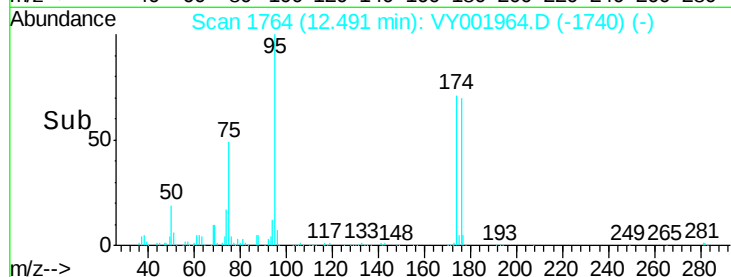
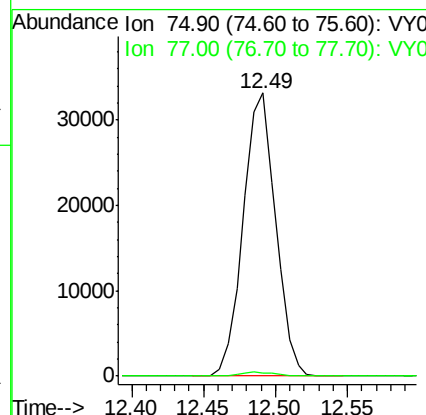
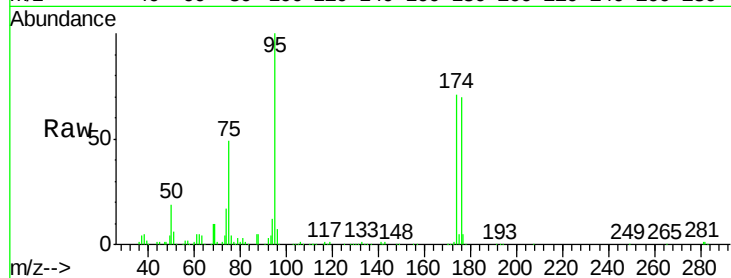




#76
 1,2,3-Trichloropropane
 Concen: 51.83 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001964.D
 Acq: 12 Mar 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MK-031220-0-1-GRAB-B2

Tgt Ion: 75 Resp: 51687
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.69 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001964.D
 Acq: 12 Mar 2020 19:03

Tgt Ion: 75 Resp: 51687
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

