

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003242.D
 Acq On : 20 Jul 2020 19:16
 Operator : SY/MD
 Sample : L3308-16RE
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 16RE

Quant Time: Jul 21 03:20:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	291501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	443233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	360551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	138278	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	165447	67.24	ug/l	0.00
Spiked Amount			Recovery	=	134.48%	
35) Dibromofluoromethane	7.73	113	147366	57.77	ug/l	0.00
Spiked Amount			Recovery	=	115.54%	
50) Toluene-d8	10.18	98	515237	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.48	95	140410	40.99	ug/l	0.00
Spiked Amount			Recovery	=	81.98%	

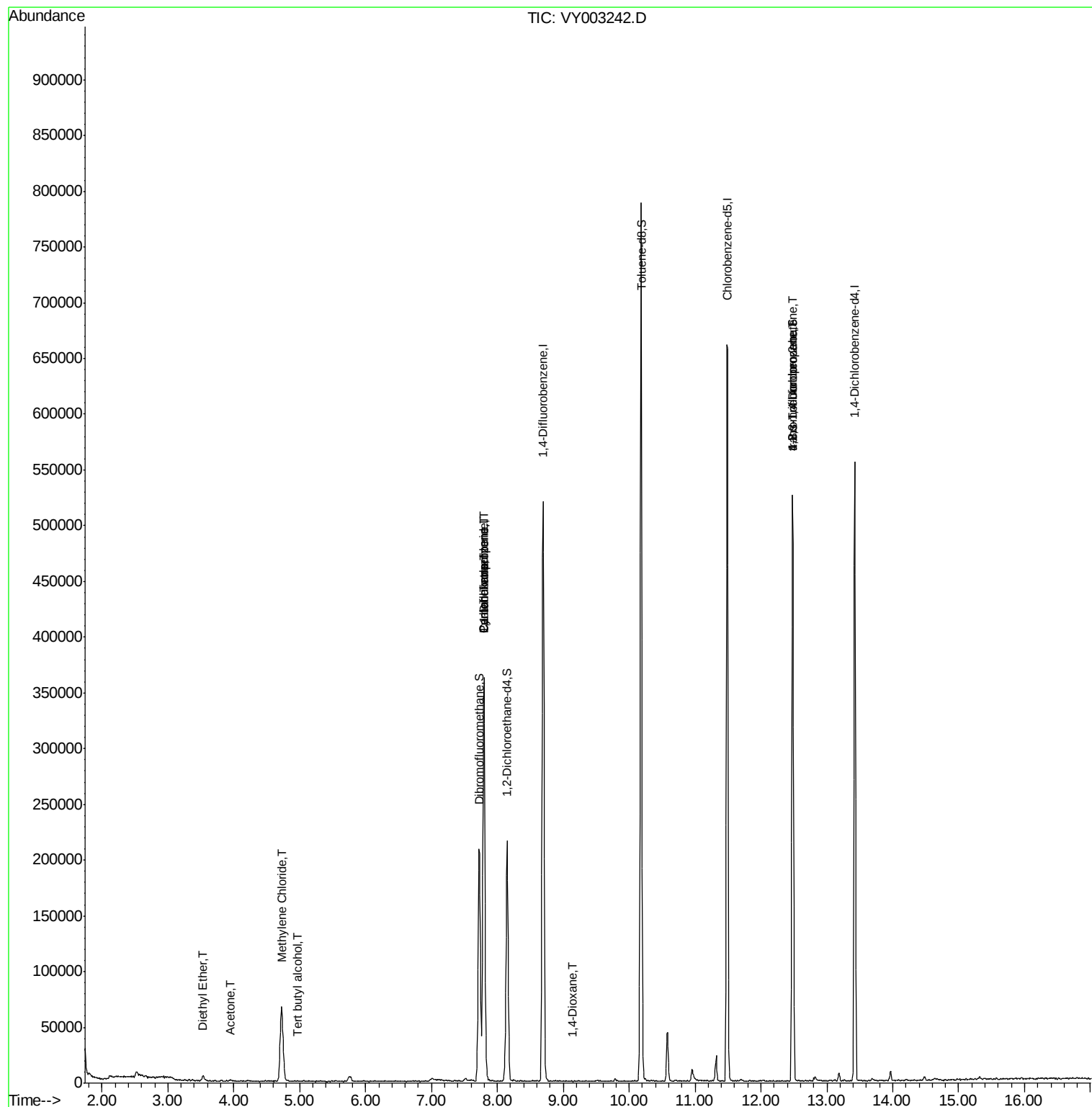
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2619	1.841	ug/l	64
11) Tert butyl alcohol	4.96	59	752	2.827	ug/l #	72
16) Acetone	3.95	43	1832	3.333	ug/l	91
20) Methylene Chloride	4.72	84	50337	14.278	ug/l	95
31) Cyclohexane	7.80	56	5741	1.283	ug/l #	3
36) 1,1-Dichloropropene	7.80	75	21056	5.242	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26663	6.429	ug/l #	16
49) 1,4-Dioxane	9.14	88	41	1.932	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	73890	60.368	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	73890	117.487	ug/l #	13

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

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QLast Update : Fri Jul 10 13:18:03 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

Instrument :

MSVOA_Y

ClientSampleId :

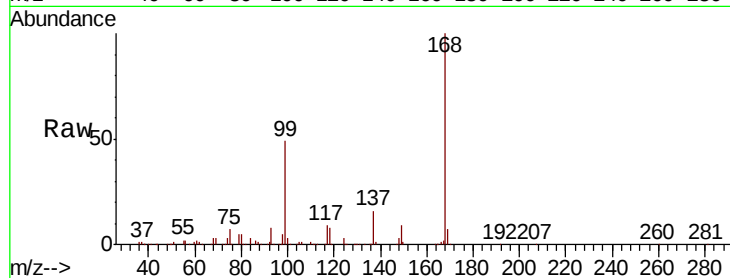
16RE

Tot Ion:168 Resp: 291501

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

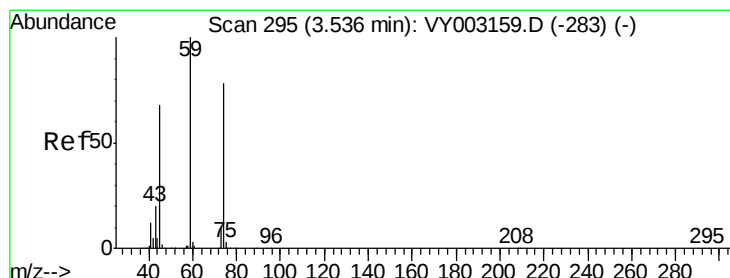
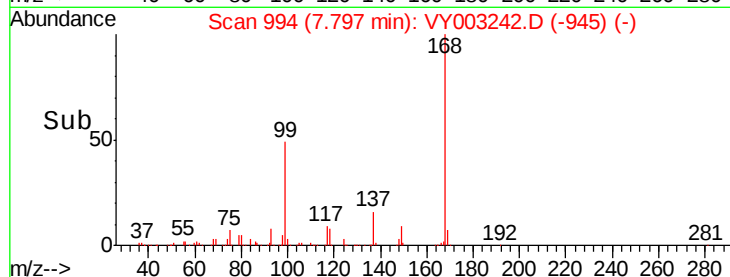
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.841 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003242.D

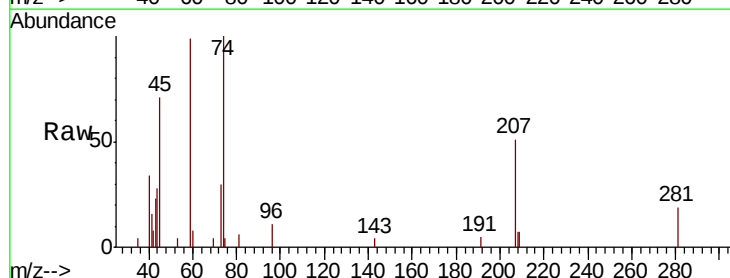
Acq: 20 Jul 2020 19:16

Tgt Ion: 74 Resp: 2619

Ion Ratio Lower Upper

74 100

45 124.1 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

3.54

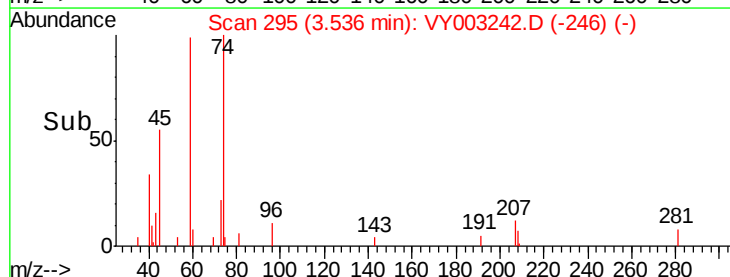
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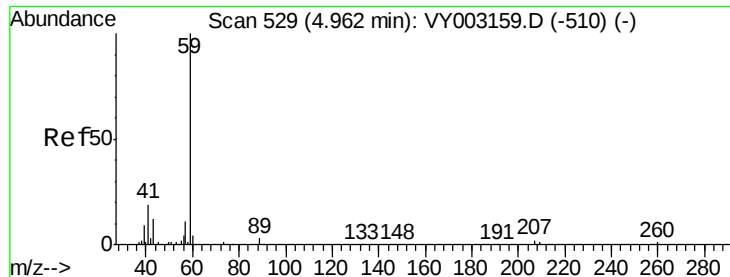
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500

0

Time-->

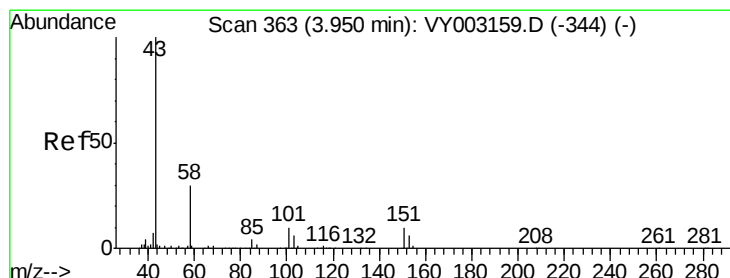
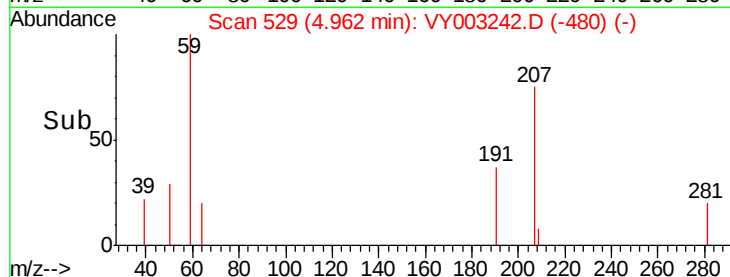
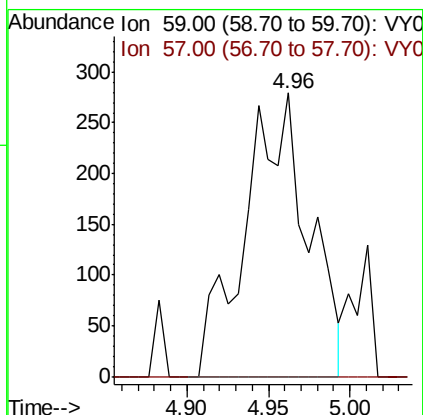
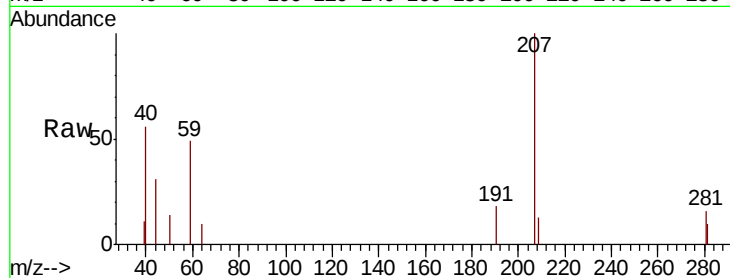




#11
Tert butyl alcohol
Concen: 2.827 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY003242.D
Acq: 20 Jul 2020 19:16

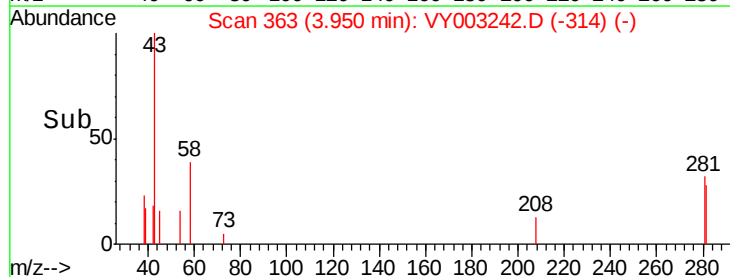
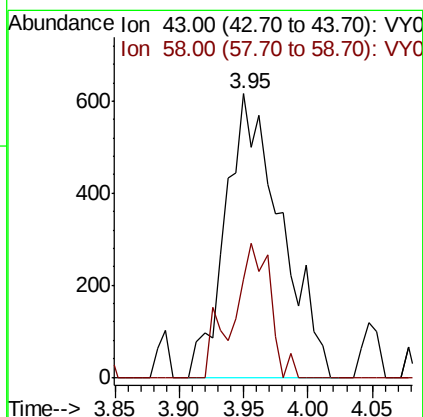
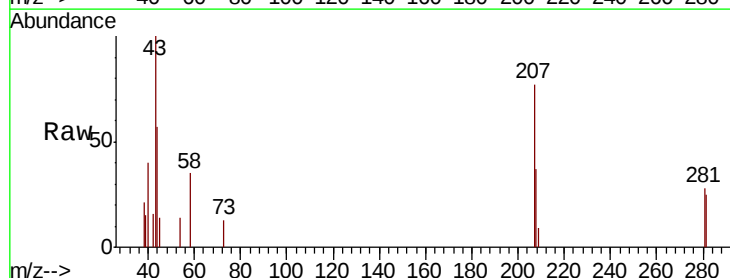
Instrument :
MSVOA_Y
ClientSampleId :
16RE

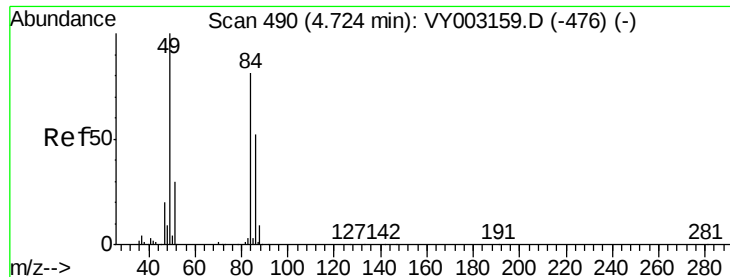
Tot Ion: 59 Resp: 752
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 3.333 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY003242.D
Acq: 20 Jul 2020 19:16

Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 34.7 23.8 35.6

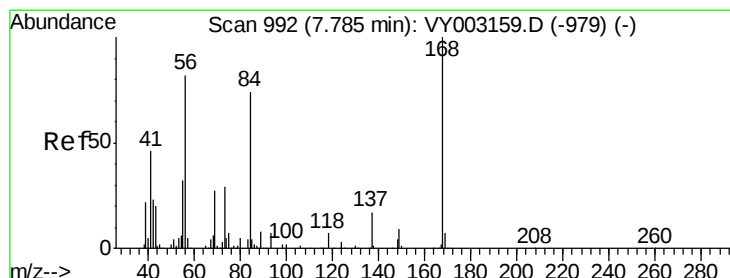
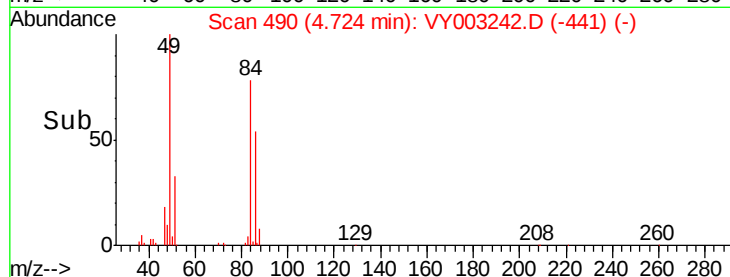
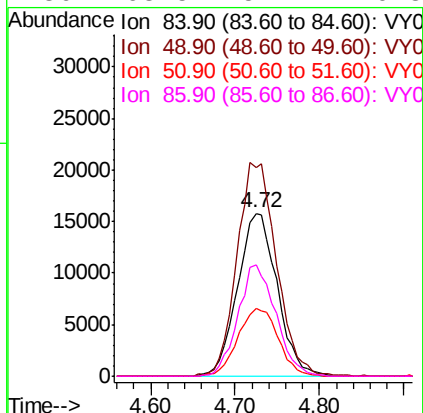
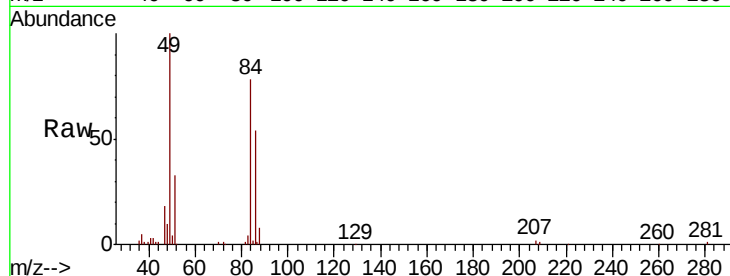




#20
Methvlene Chloride
Concen: 14.278 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003242.D
Acq: 20 Jul 2020 19:16

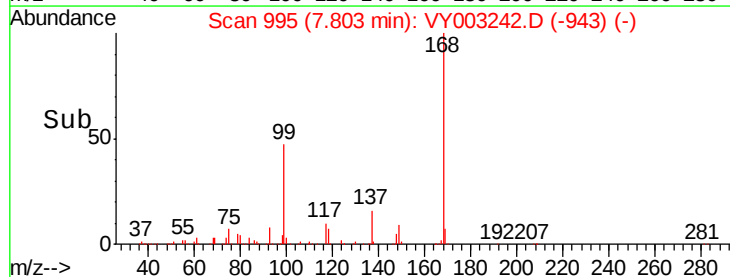
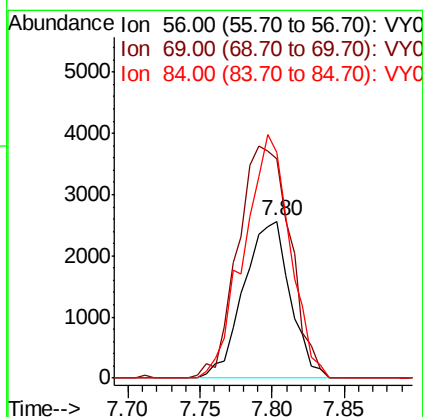
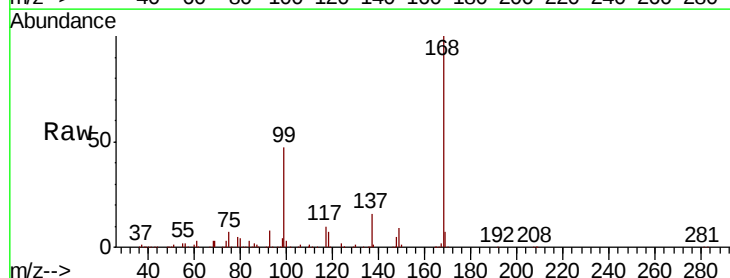
Instrument :
MSVOA_Y
ClientSampleId :
16RE

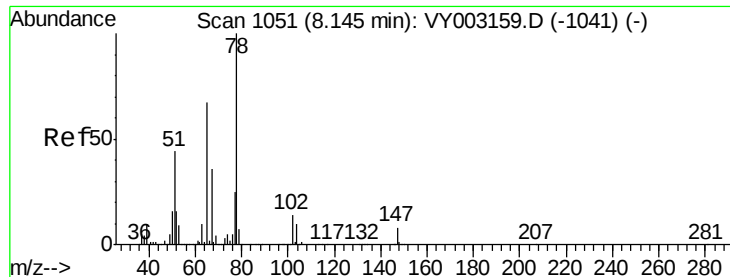
Tot Ion:	84	Resp:	50337
Ion	Ratio	Lower	Upper
84	100		
49	127.9	98.2	147.4
51	42.0	29.8	44.6
86	68.5	51.2	76.8



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.02 min
Lab File: VY003242.D
Acq: 20 Jul 2020 19:16

Tgt Ion:	56	Resp:	5741
Ion	Ratio	Lower	Upper
56	100		
69	139.7	26.7	40.1#
84	150.4	72.3	108.5#

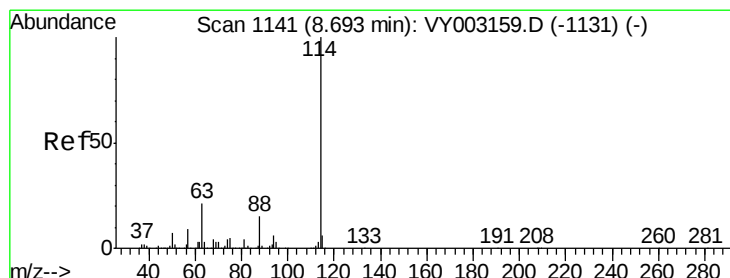
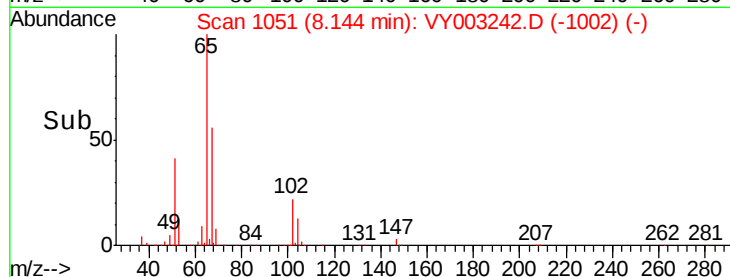
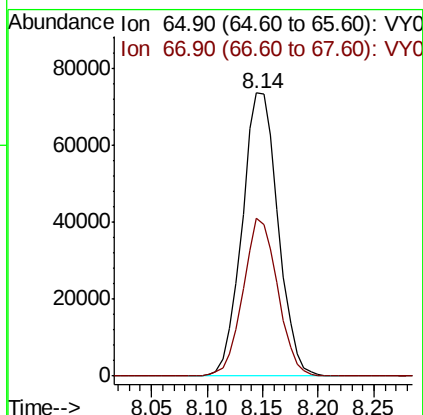
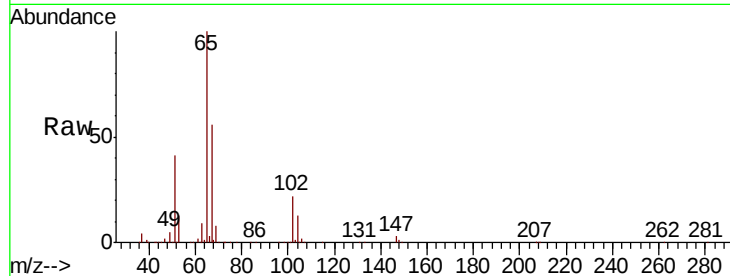




#33
 1,2-Dichloroethane-d4
 Concen: 67.245 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003242.D
 Acq: 20 Jul 2020 19:16

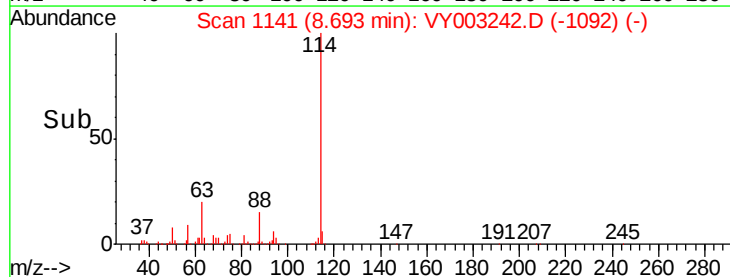
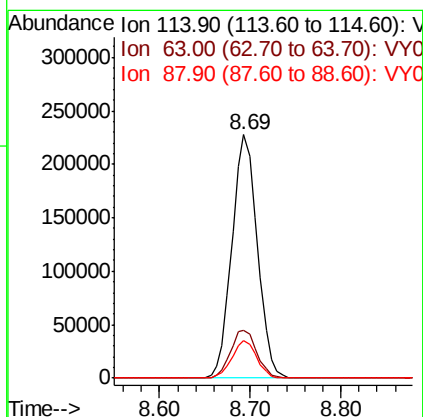
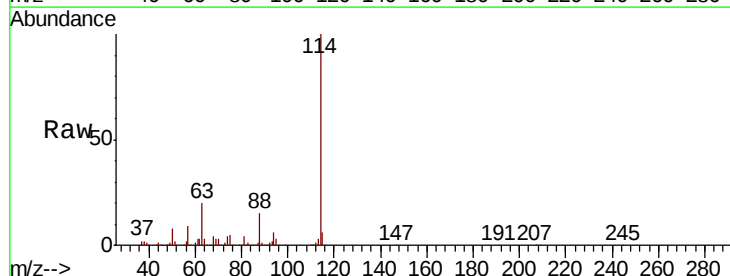
Instrument :
 MSVOA_Y
 ClientSampleId :
 16RE

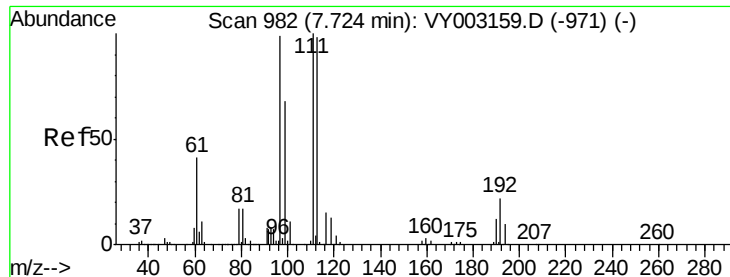
Tot Ion: 65 Resp: 165447
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003242.D
 Acq: 20 Jul 2020 19:16

Tgt Ion: 114 Resp: 443233
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.2
 88 15.2 0.0 30.2

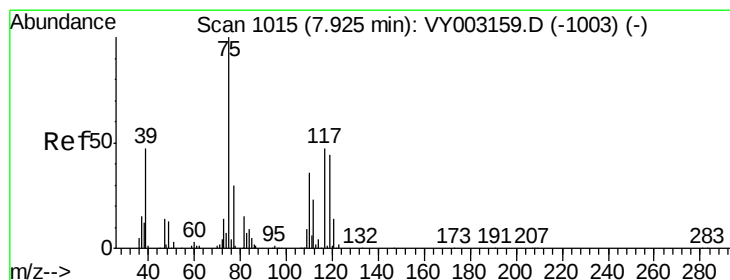
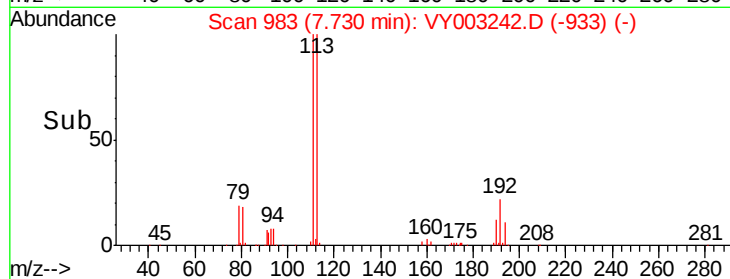
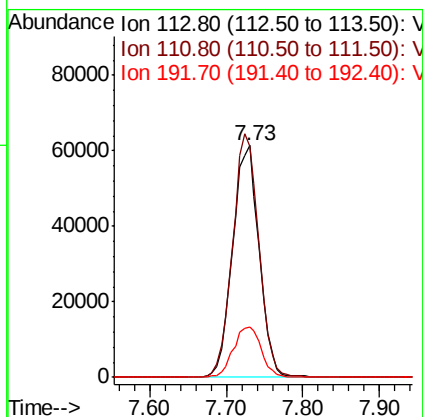
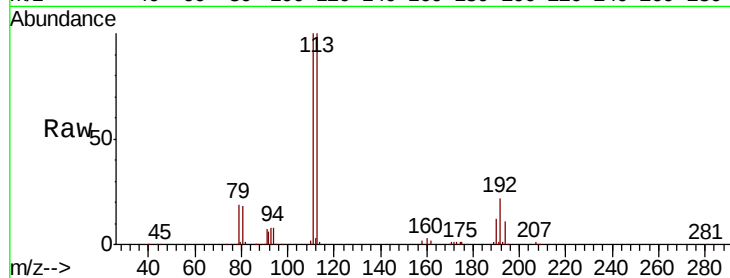




#35
 Dibromofluoromethane
 Concen: 57.775 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003242.D
 Acq: 20 Jul 2020 19:16

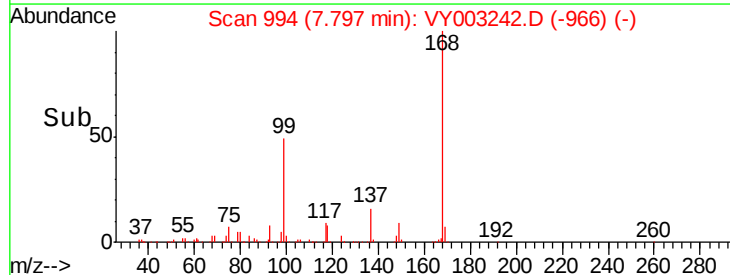
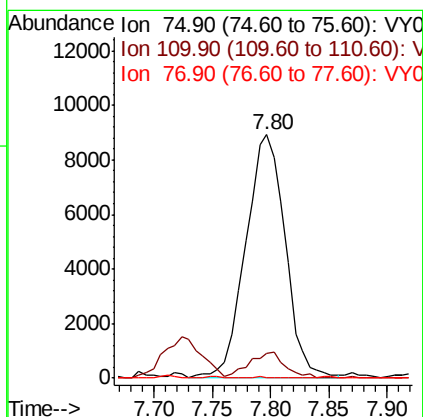
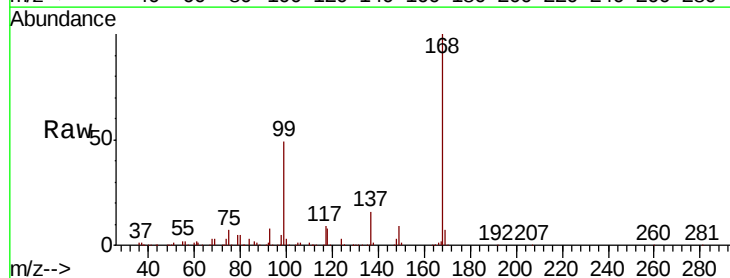
Instrument :
 MSVOA_Y
 ClientSampleId :
 16RE

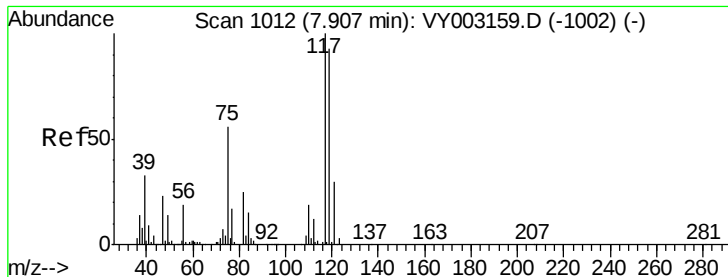
Tot Ion:113 Resp: 147366
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.1 123.1
 192 22.7 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 5.242 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003242.D
 Acq: 20 Jul 2020 19:16

Tgt Ion: 75 Resp: 21056
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.1#
 77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

Instrument :

MSVOA_Y

ClientSampleId :

16RE

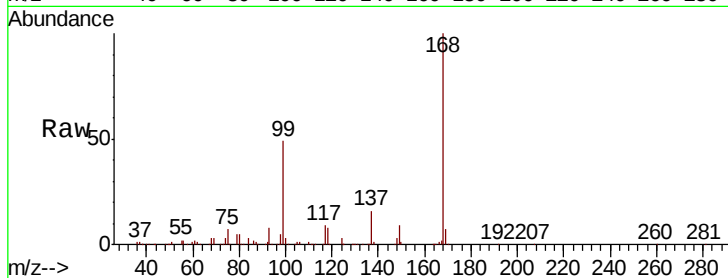
Tot Ion:117 Resp: 26663

Ion Ratio Lower Upper

117 100

119 3.4 74.5 111.7#

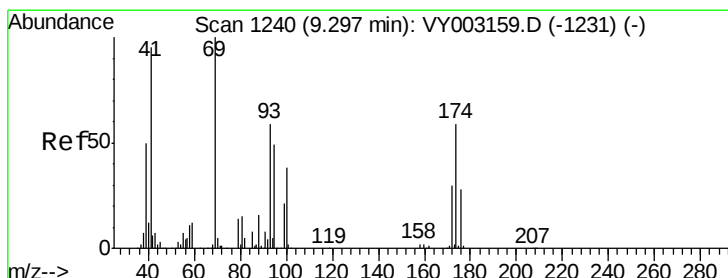
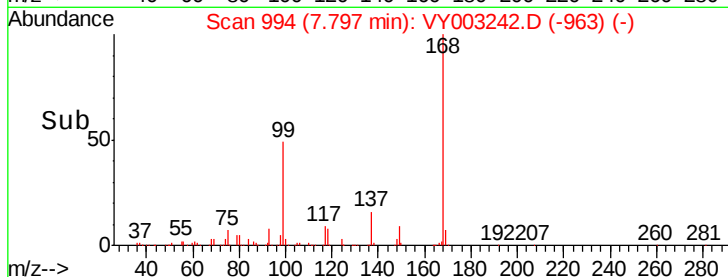
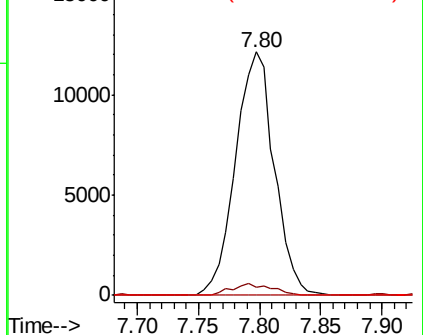
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.932 ug/l

RT: 9.14 min Scan# 1215

Delta R.T. -0.15 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

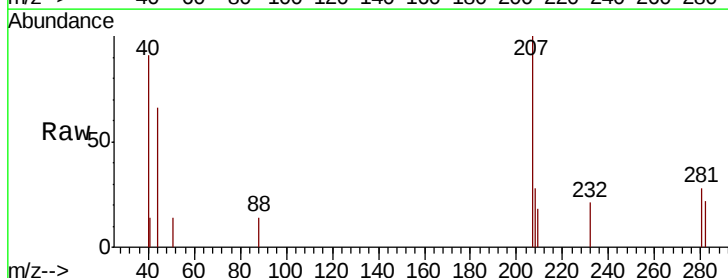
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

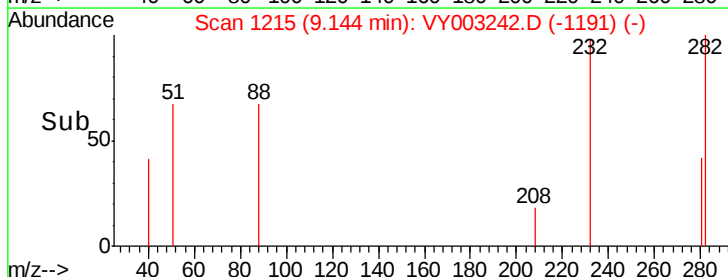
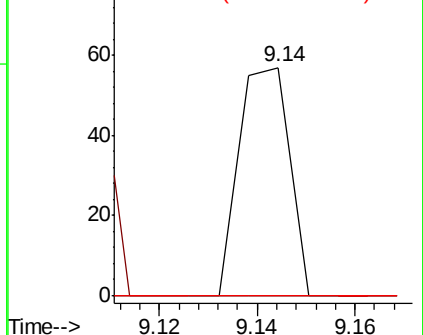
58 0.0 47.8 71.6#

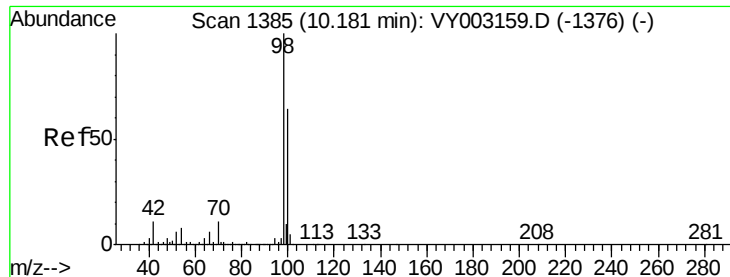


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 54.332 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

Instrument :

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ClientSampleId :

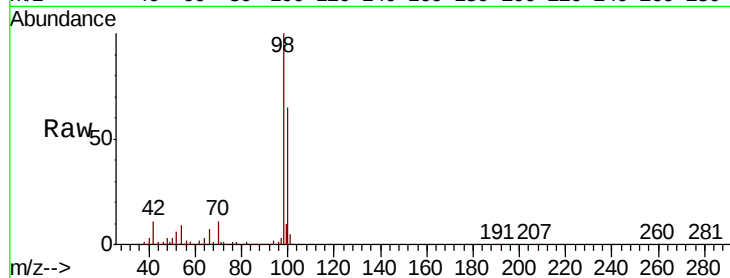
16RE

Tot Ion: 98 Resp: 515237

Ion Ratio Lower Upper

98 100

100 62.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

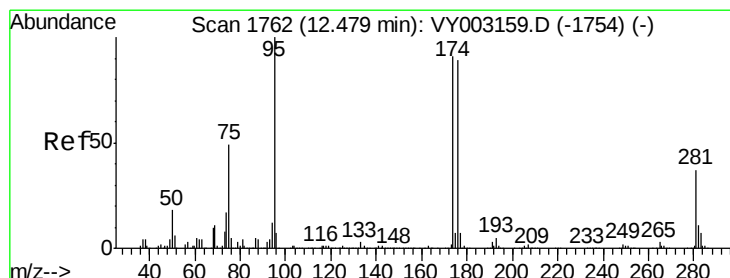
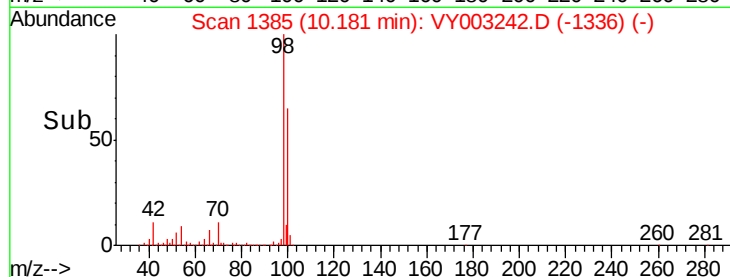
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.985 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

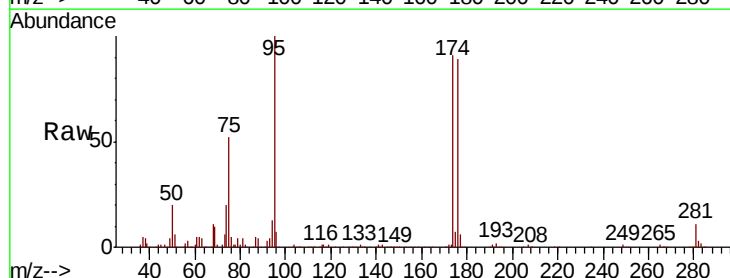
Tgt Ion: 95 Resp: 140410

Ion Ratio Lower Upper

95 100

174 94.8 0.0 190.6

176 93.2 0.0 186.4



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

12.48

120000

100000

80000

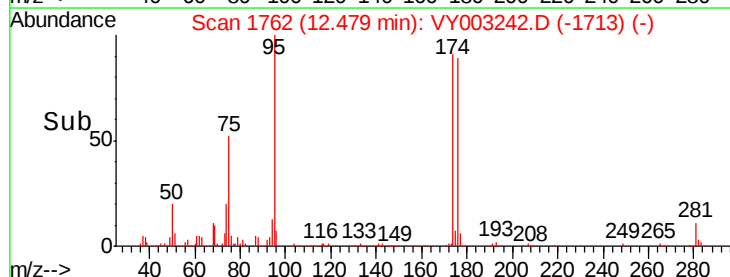
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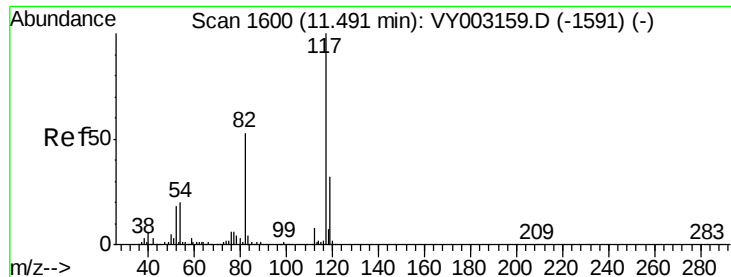
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20000

0

Time-->

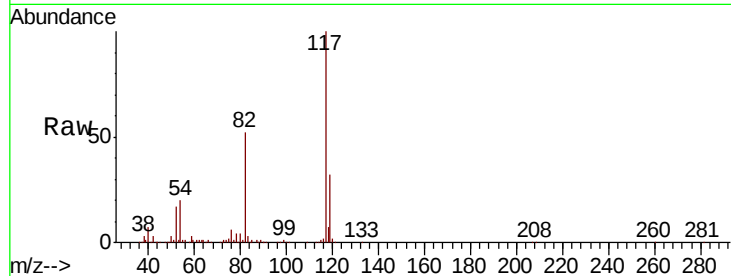




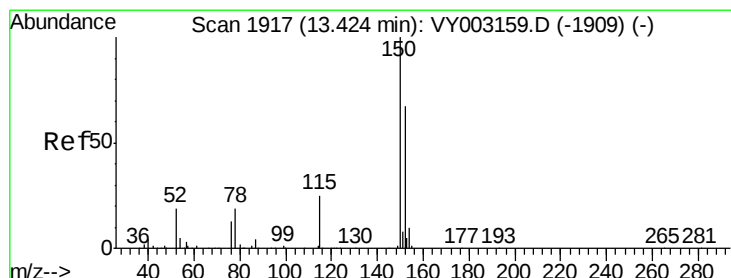
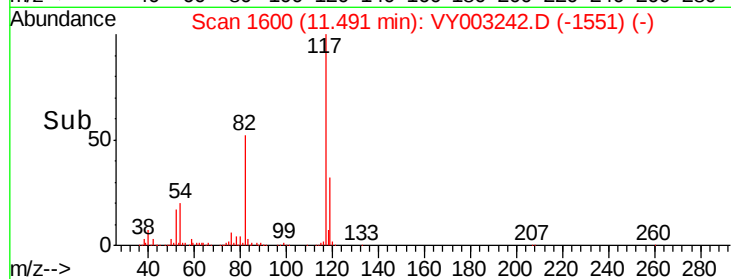
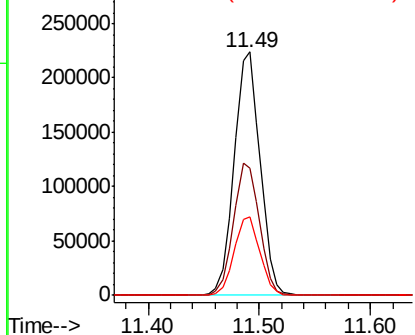
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003242.D
Acq: 20 Jul 2020 19:16

Instrument :
MSVOA_Y
ClientSampleId :
16RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.0	63.0
119	32.3	25.5	38.3

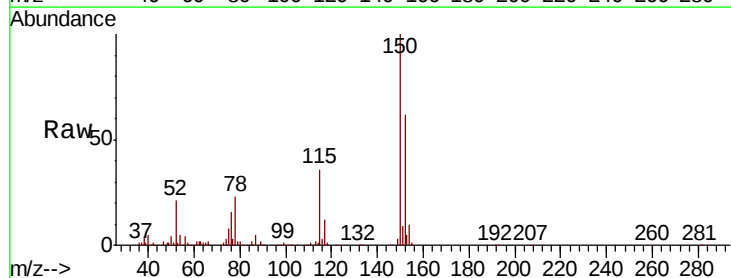


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

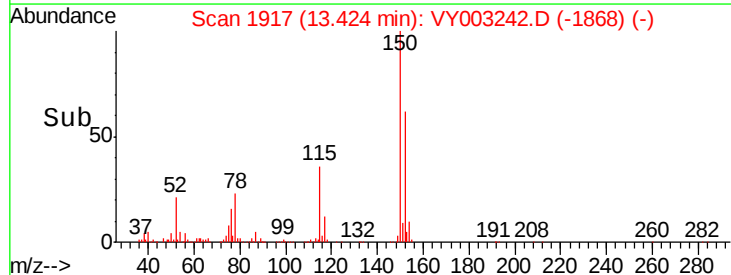
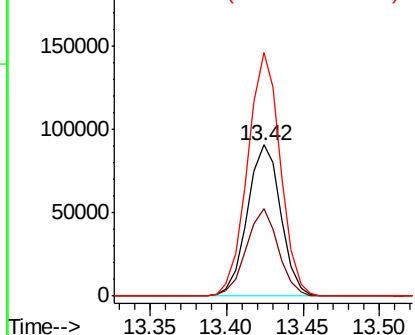


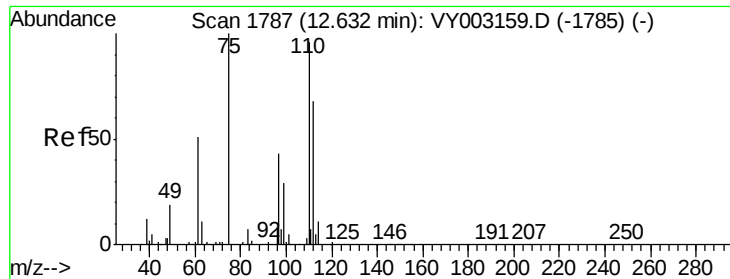
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003242.D
Acq: 20 Jul 2020 19:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	26.9	80.7
150	157.8	0.0	338.0



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





#76

1,2,3-Trichloropropane

Concen: 60.368 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

Instrument :

MSVOA_Y

ClientSampled :

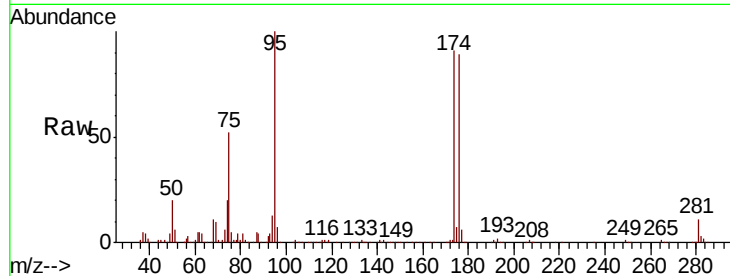
16RE

Tot Ion: 75 Resp: 73890

Ion Ratio Lower Upper

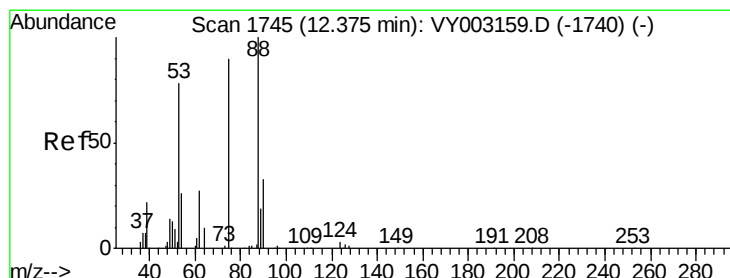
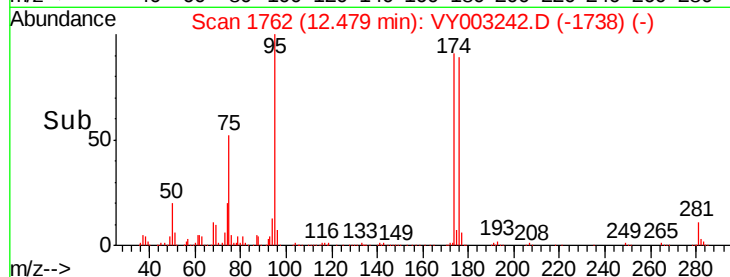
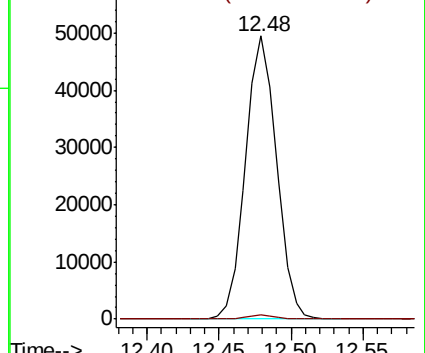
75 100

77 1.4 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: 117.487 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003242.D

Acq: 20 Jul 2020 19:16

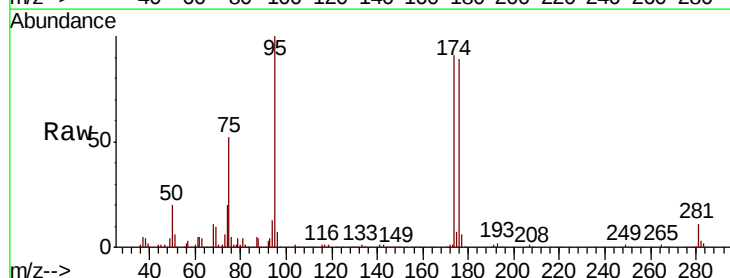
Tgt Ion: 75 Resp: 73890

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.3 37.3 55.9#



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

