

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003415.D
 Acq On : 03 Aug 2020 14:27
 Operator : SY/MD
 Sample : L3512-03
 Misc : 7.16G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ROLLOFF-72-11982

Quant Time: Aug 04 01:33:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	439021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	680991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	588527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	212975	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	221362	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
35) Dibromofluoromethane	7.72	113	216850	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
50) Toluene-d8	10.18	98	820824	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.48	95	229456	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	

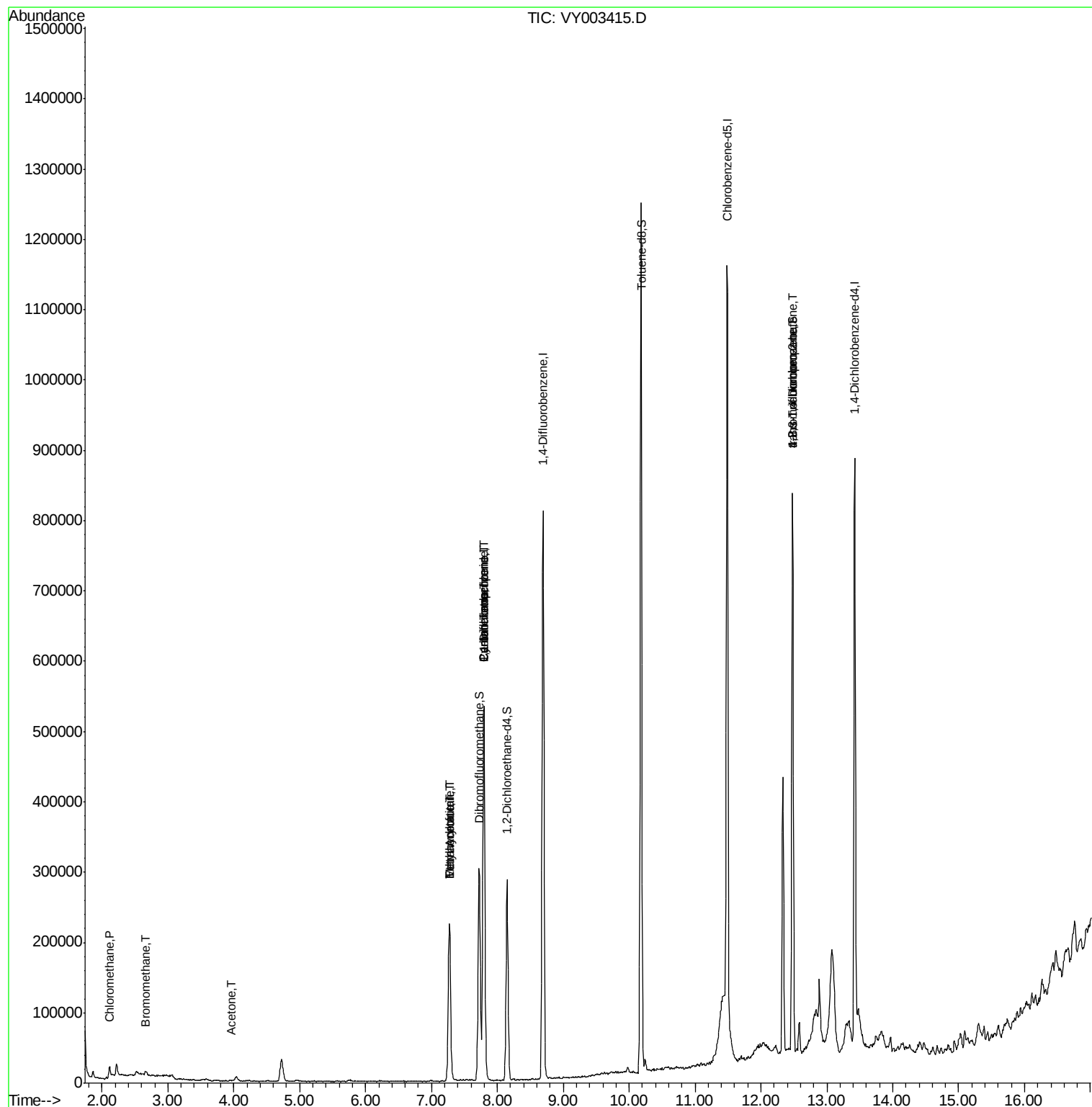
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	12031	2.444	ug/l	100
5) Bromomethane	2.66	94	4263	1.168	ug/l #	77
11) Tert butyl alcohol	4.97	59	2825	Below Cal	#	94
16) Acetone	3.96	43	2292	2.222	ug/l #	77
20) Methylene Chloride	4.72	84	23770	Below Cal		95
29) Tetrahydrofuran	7.27	42	28022	27.326	ug/l #	34
31) Cyclohexane	7.79	56	8092	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	30331	4.707	ug/l #	50
37) Ethyl Acetate	7.27	43	222019	60.589	ug/l #	69
38) Carbon Tetrachloride	7.79	117	40319	6.080	ug/l #	16
41) Methacrylonitrile	7.27	41	115756	55.104	ug/l #	42
76) 1,2,3-Trichloropropane	12.48	75	118938	62.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118938	117.570	ug/l #	15

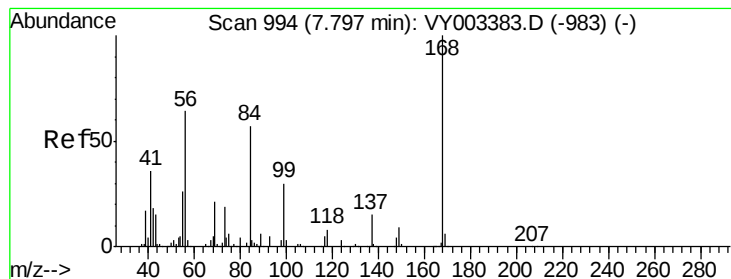
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 01:33:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

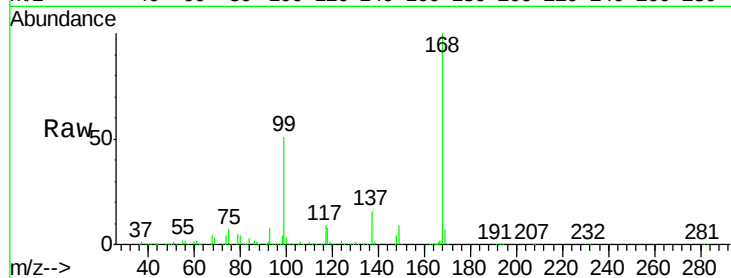
ROLLOFF-72-11982

Tot Ion:168 Resp: 439021

Ion Ratio Lower Upper

168 100

99 51.0 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

200000

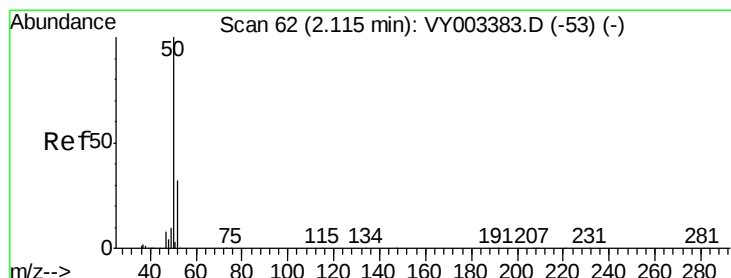
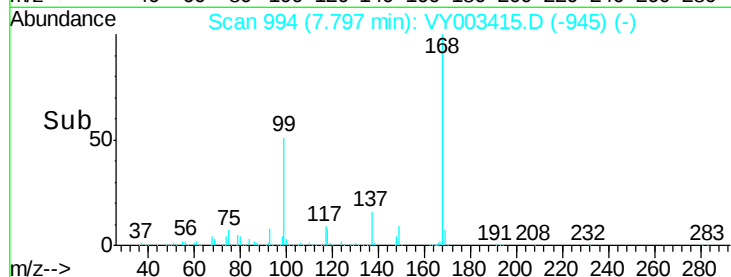
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.444 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003415.D

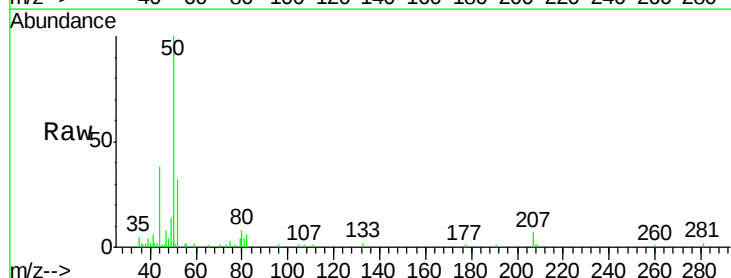
Acq: 03 Aug 2020 14:27

Tgt Ion: 50 Resp: 12031

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY003383.D (-53) (-)

Ion 51.90 (51.60 to 52.60): VY003383.D (-53) (-)

2.12

10000

8000

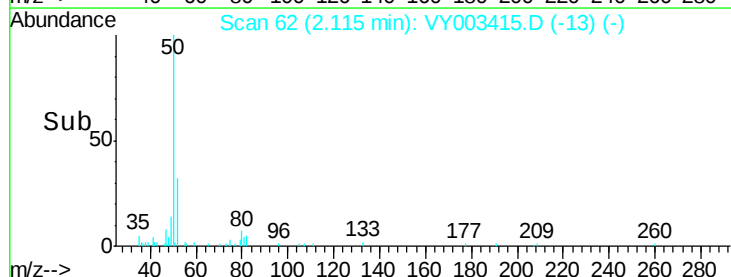
6000

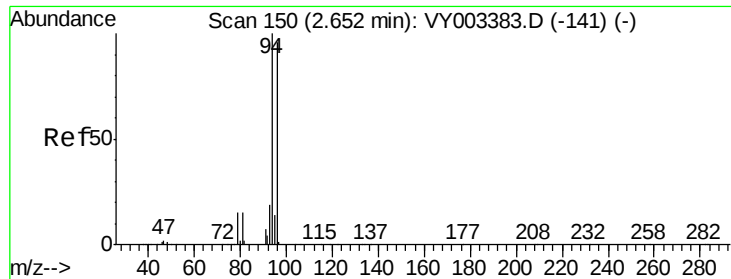
4000

2000

0

Time-->





#5

Bromomethane

Concen: 1.168 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

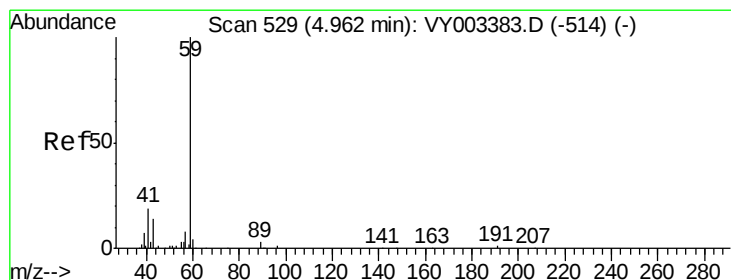
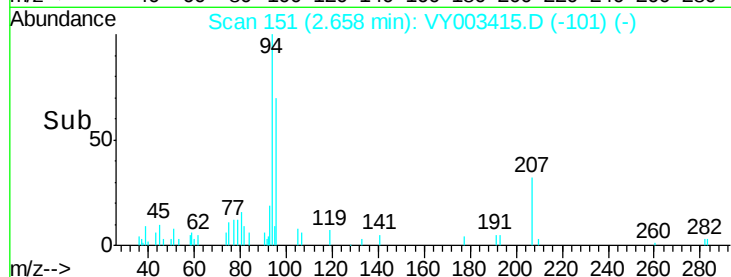
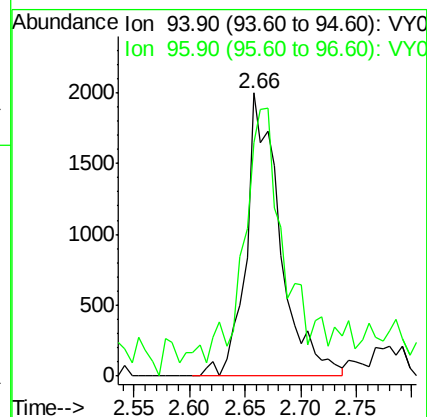
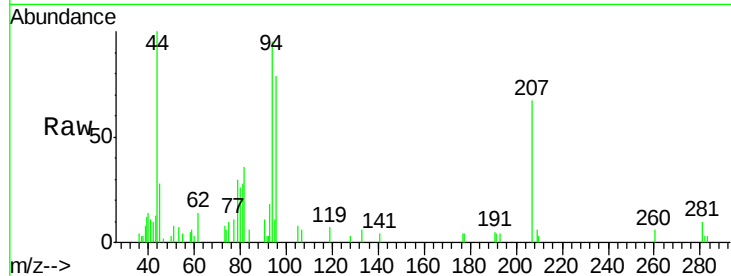
ROLLOFF-72-11982

Tot Ion: 94 Resp: 4263

Ion Ratio Lower Upper

94 100

96 73.8 76.6 115.0#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003415.D

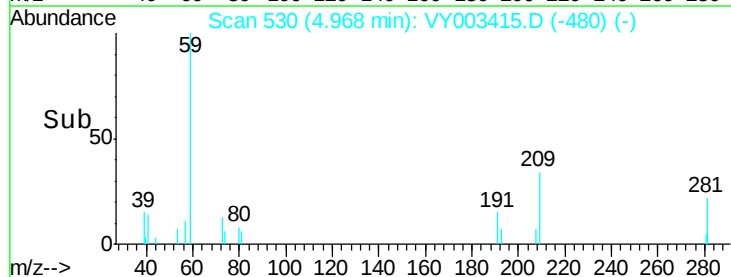
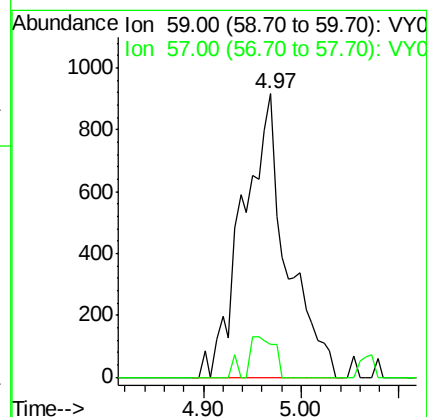
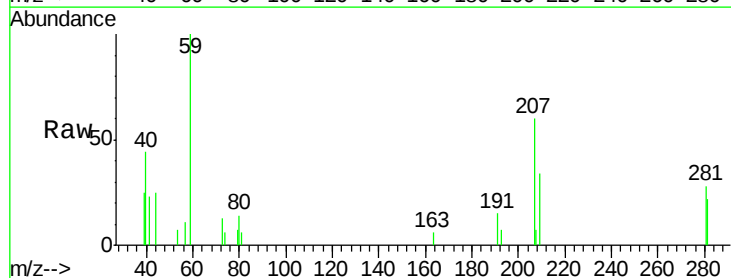
Acq: 03 Aug 2020 14:27

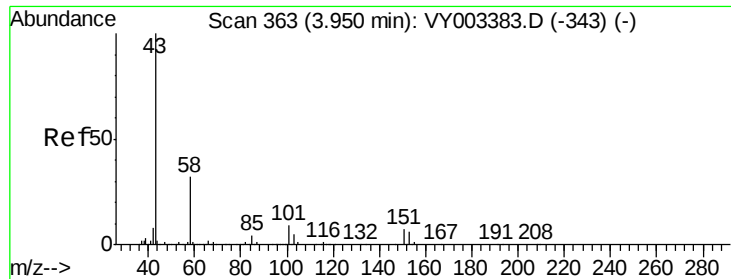
Tgt Ion: 59 Resp: 2825

Ion Ratio Lower Upper

59 100

57 7.7 8.0 12.0#

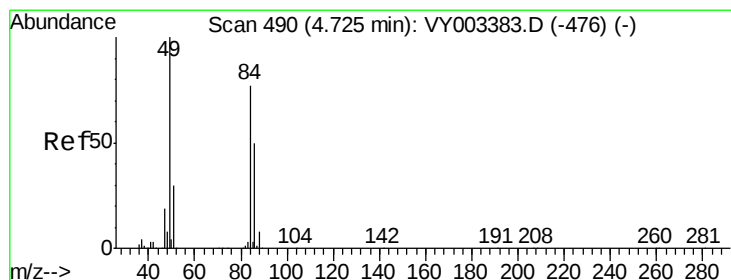
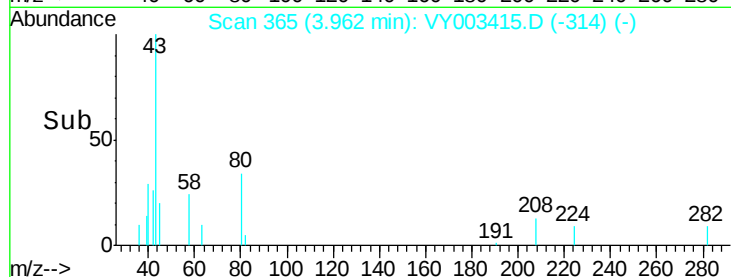
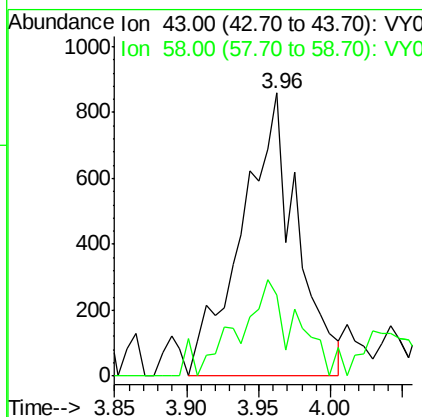
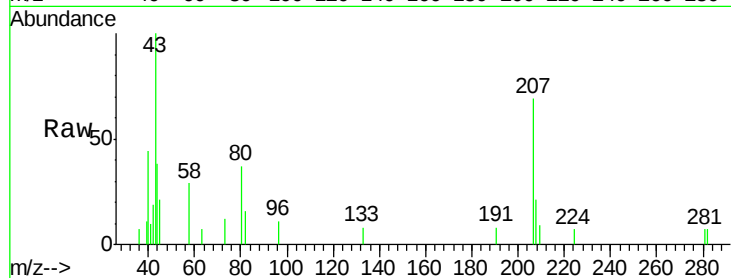




#16
Acetone
Concen: 2.222 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003415.D
Acq: 03 Aug 2020 14:27

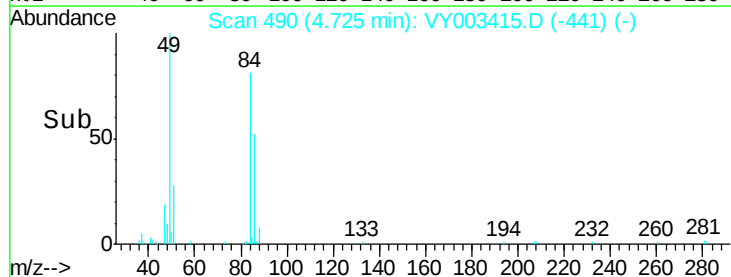
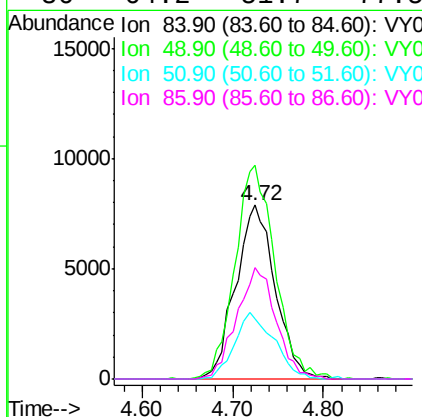
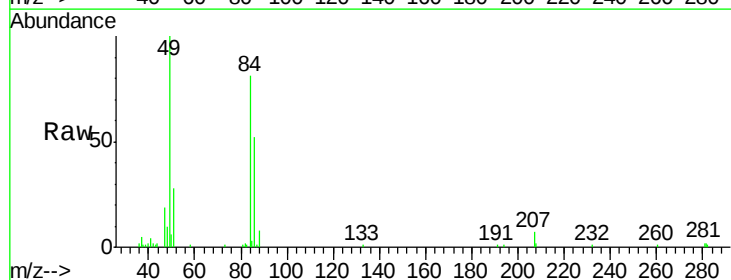
Instrument :
MSVOA_Y
ClientSampleId :
ROLLOFF-72-11982

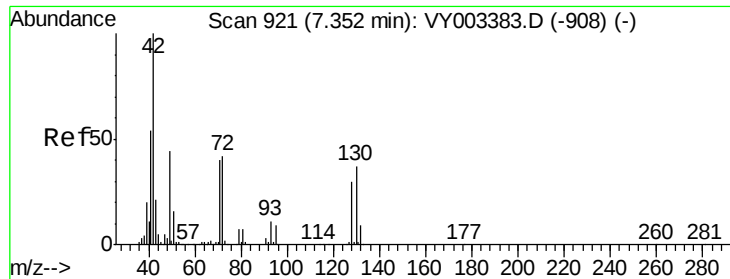
Tot Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 18.9 25.4 38.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003415.D
Acq: 03 Aug 2020 14:27

Tgt Ion: 84 Resp: 23770
Ion Ratio Lower Upper
84 100
49 122.7 104.2 156.4
51 34.8 31.5 47.3
86 64.2 51.7 77.5





#29

Tetrahydrofuran

Concen: 27.326 ug/l

RT: 7.27 min Scan# 908

Delta R.T. -0.08 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

ROLLOFF-72-11982

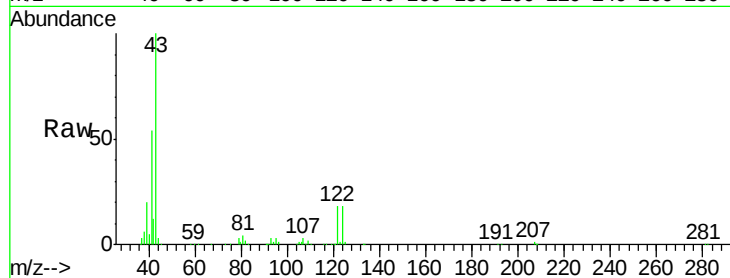
Tot Ion: 42 Resp: 28022

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

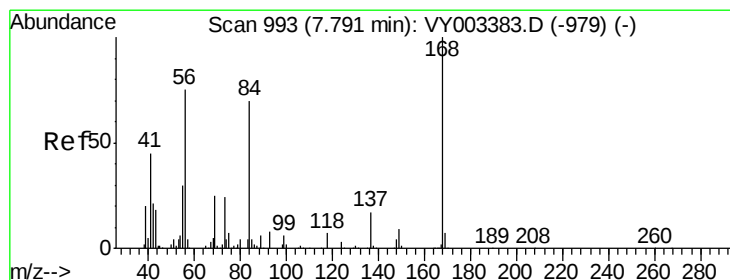
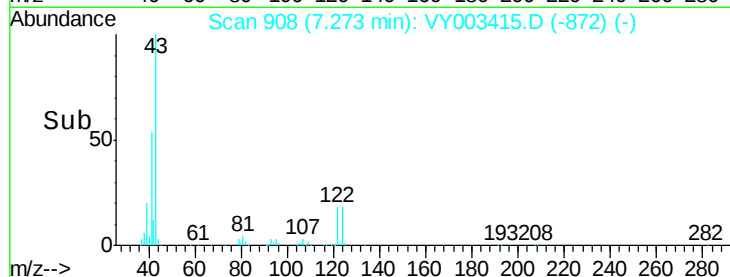
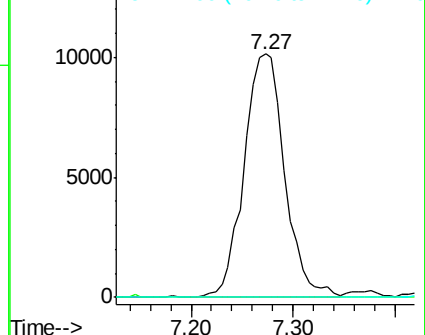
71 0.0 32.1 48.1#



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



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

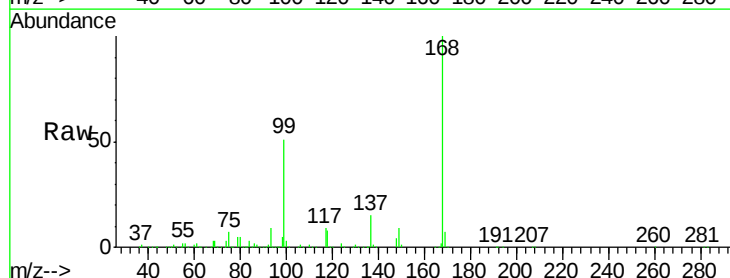
Tgt Ion: 56 Resp: 8092

Ion Ratio Lower Upper

56 100

69 171.5 26.1 39.1#

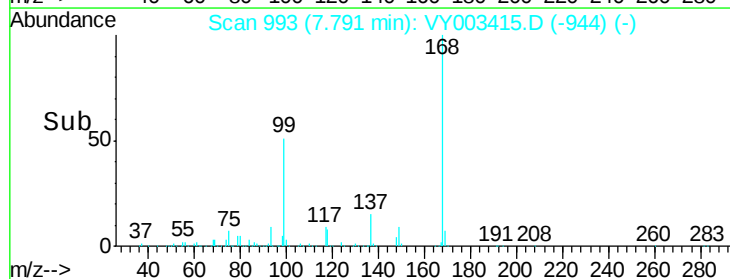
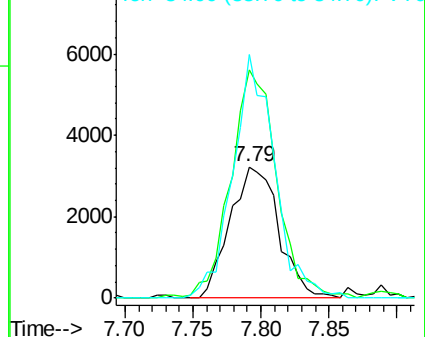
84 183.6 73.9 110.9#

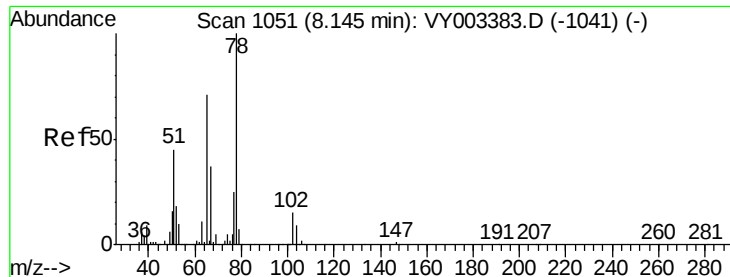


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

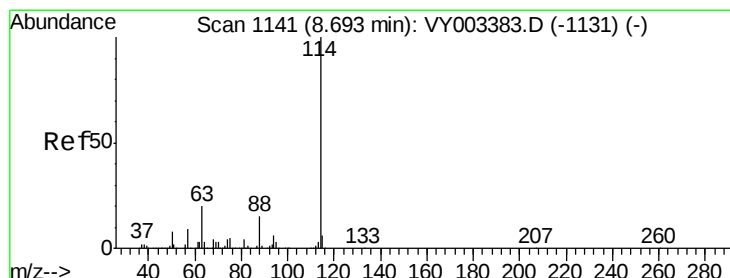
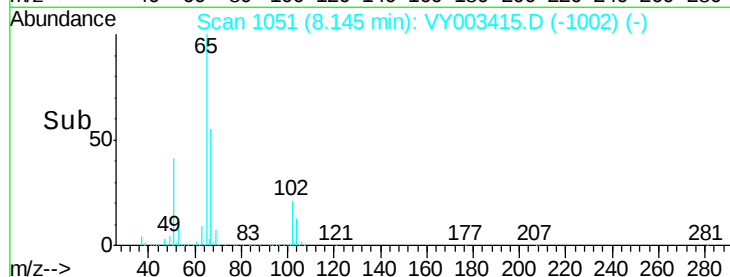
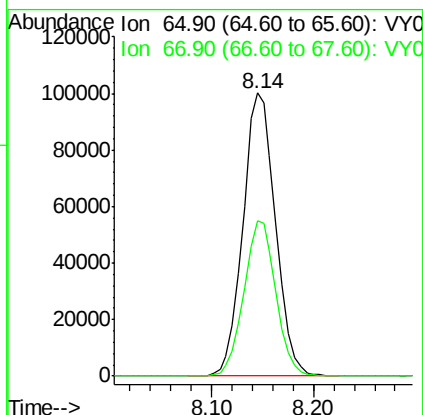
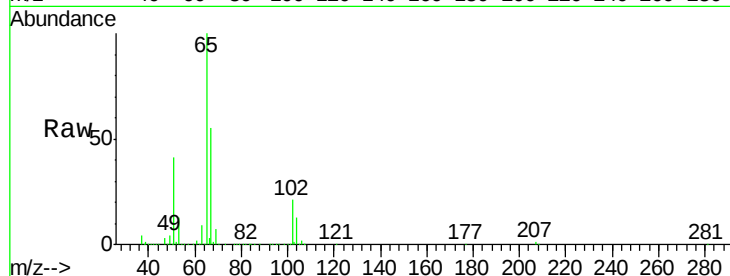




#33
 1,2-Dichloroethane-d4
 Concen: 53.030 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003415.D
 Acq: 03 Aug 2020 14:27

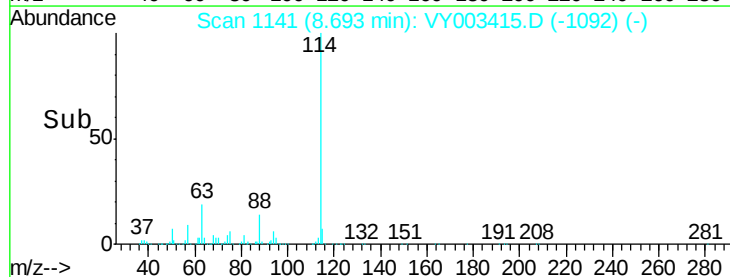
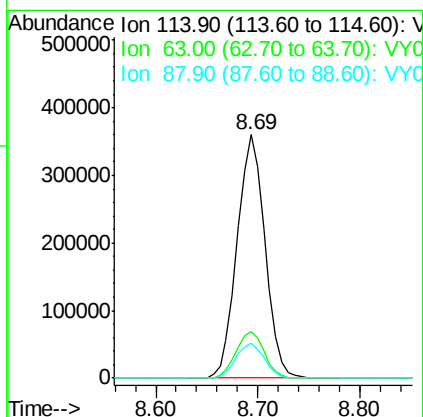
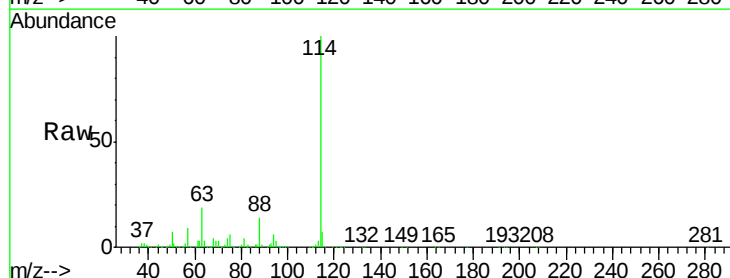
Instrument :
 MSVOA_Y
 ClientSampleId :
 ROLLOFF-72-11982

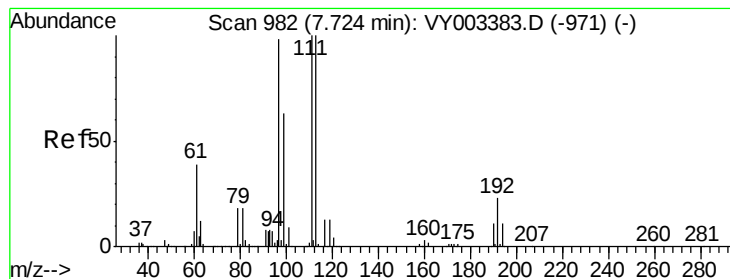
Tot Ion: 65 Resp: 221362
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003415.D
 Acq: 03 Aug 2020 14:27

Tgt Ion: 114 Resp: 680991
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 14.2 0.0 29.2





#35

Dibromofluoromethane

Concen: 54.058 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

ROLLOFF-72-11982

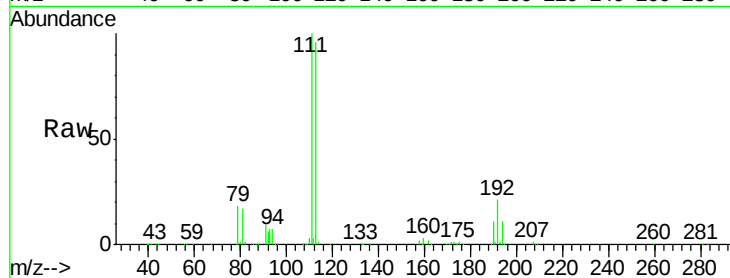
Tot Ion:113 Resp: 216850

Ion Ratio Lower Upper

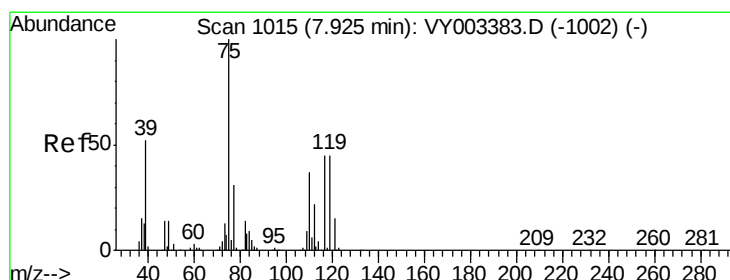
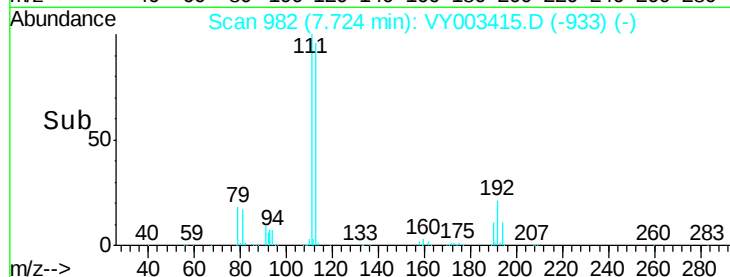
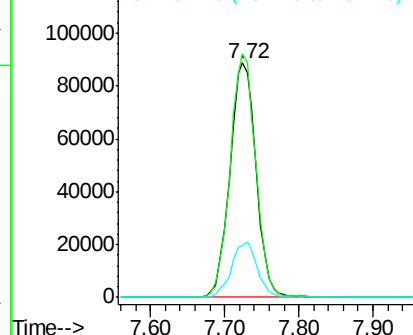
113 100

111 101.9 83.0 124.4

192 23.2 18.8 28.2



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: 4.707 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

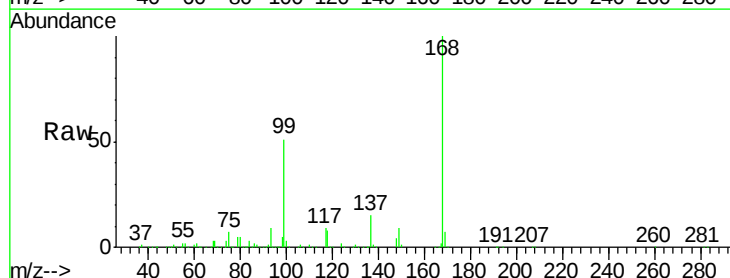
Tgt Ion: 75 Resp: 30331

Ion Ratio Lower Upper

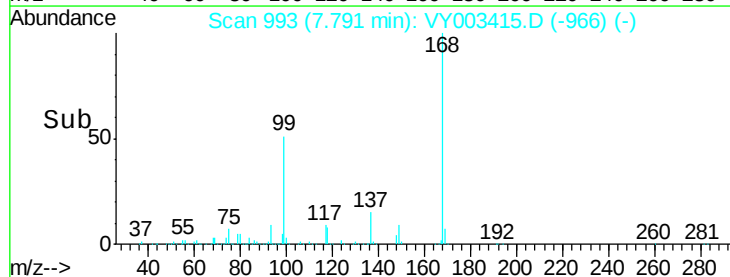
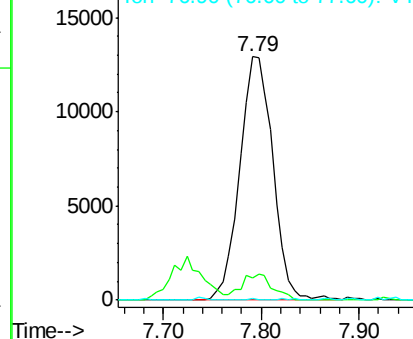
75 100

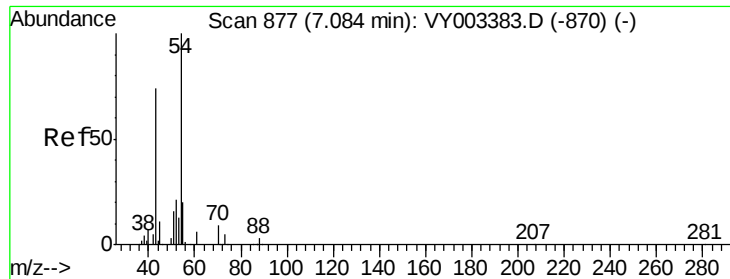
110 9.7 17.8 53.5#

77 0.1 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 60.589 ug/l

RT: 7.27 min Scan# 908

Delta R.T. 0.19 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

ROLLOFF-72-11982

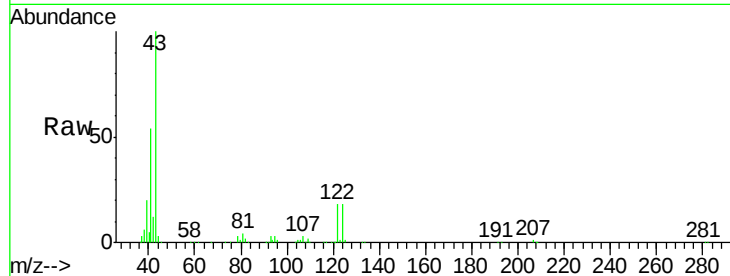
Tot Ion: 43 Resp: 222019

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

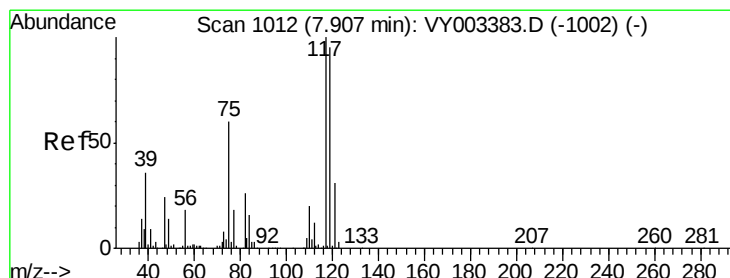
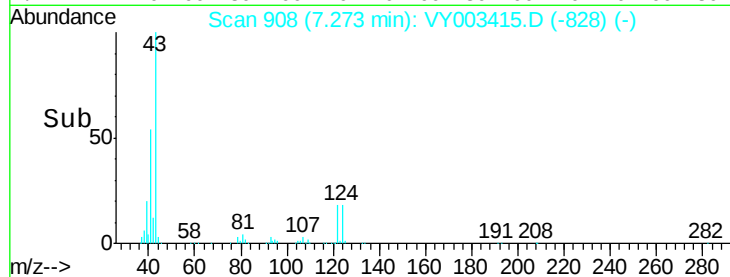
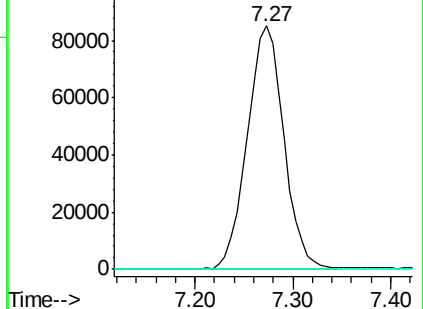
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.080 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

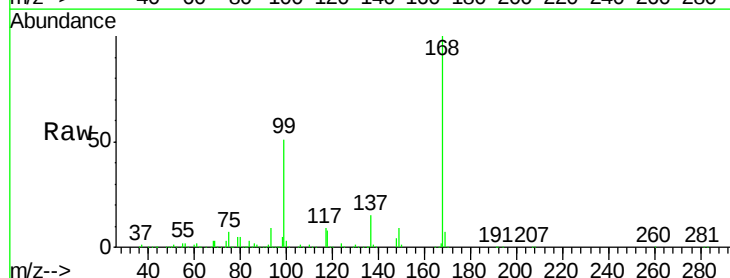
Tgt Ion: 117 Resp: 40319

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

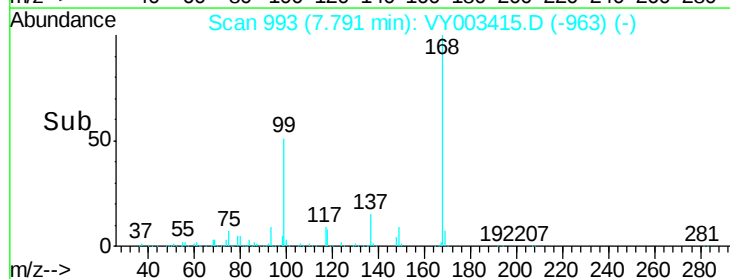
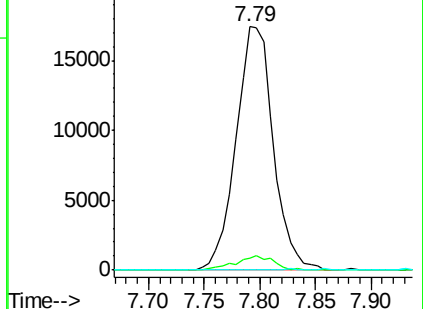
121 0.0 24.5 36.7#

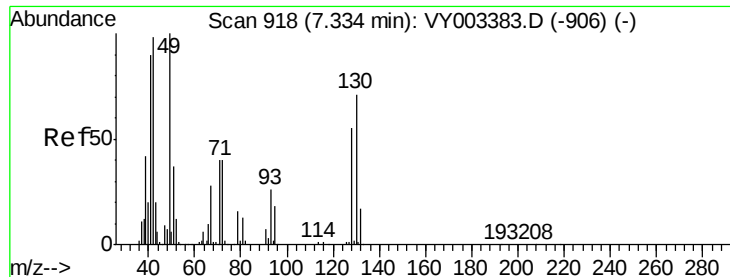


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

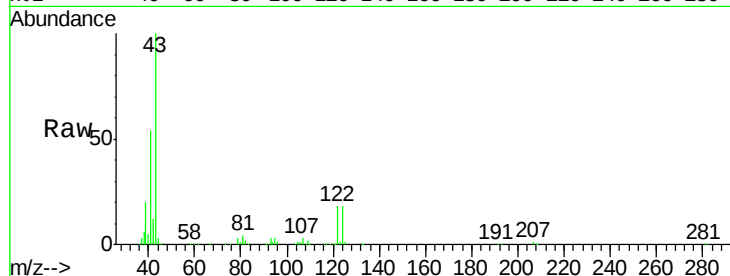




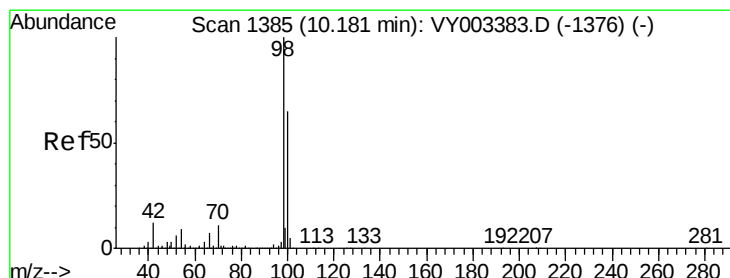
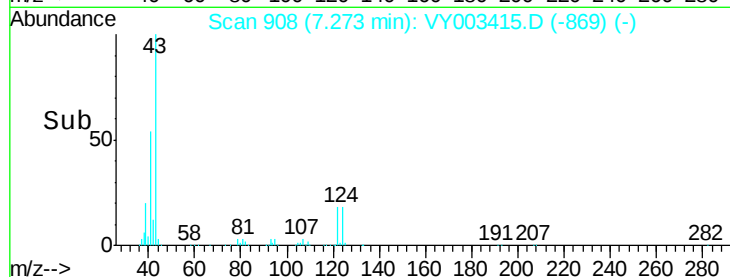
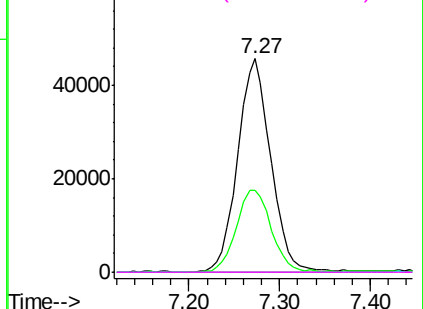
#41
Methacrylonitrile
Concen: 55.104 ug/l
RT: 7.27 min Scan# 908
Delta R.T. -0.06 min
Lab File: VY003415.D
Acq: 03 Aug 2020 14:27

Instrument :
MSVOA_Y
ClientSampleId :
ROLLOFF-72-11982

Tot Ion:	41	Resp:	115756
Ion	Ratio	Lower	Upper
41	100		
39	40.8	78.3	117.5#
67	0.0	0.0	0.0#
52	0.0	0.0	0.0

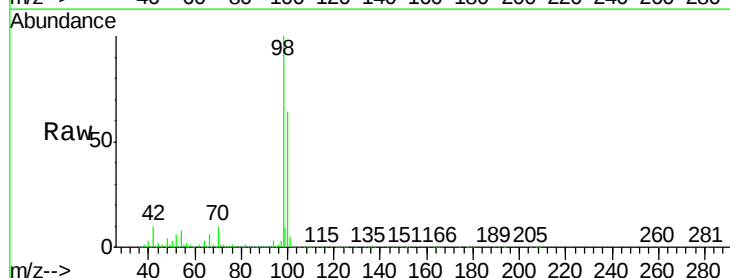


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

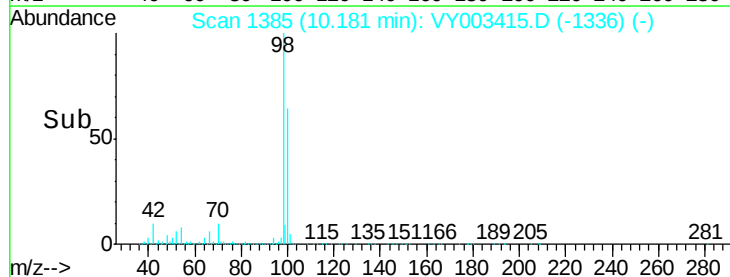
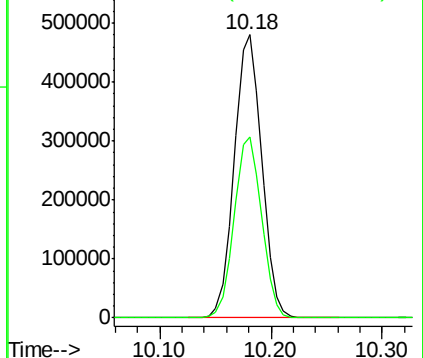


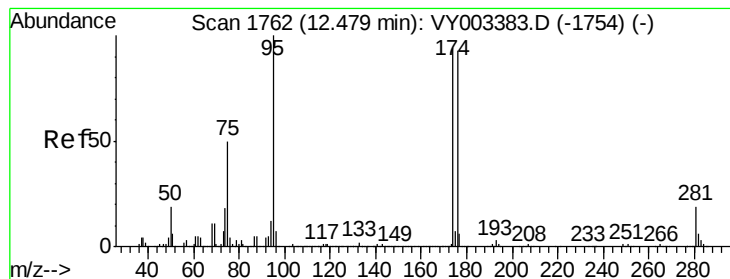
#50
Toluene-d8
Concen: 52.255 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003415.D
Acq: 03 Aug 2020 14:27

Tgt Ion:	98	Resp:	820824
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 42.752 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

ROLLOFF-72-11982

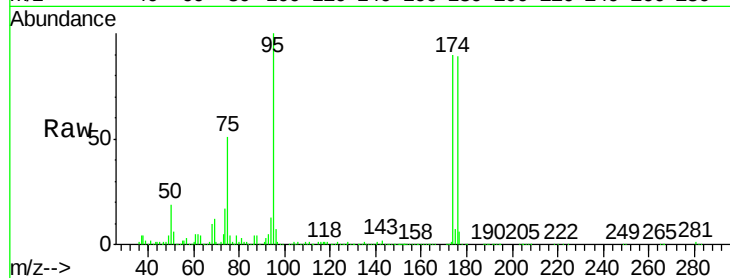
Tot Ion: 95 Resp: 229456

Ion Ratio Lower Upper

95 100

174 93.4 0.0 190.0

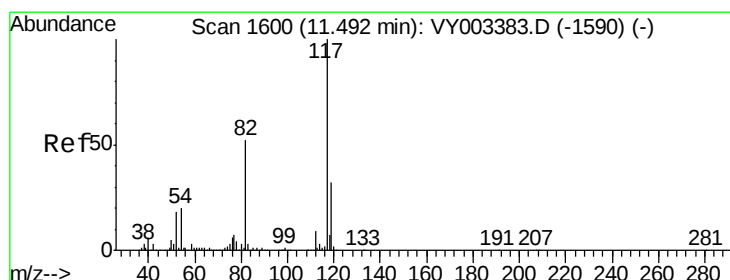
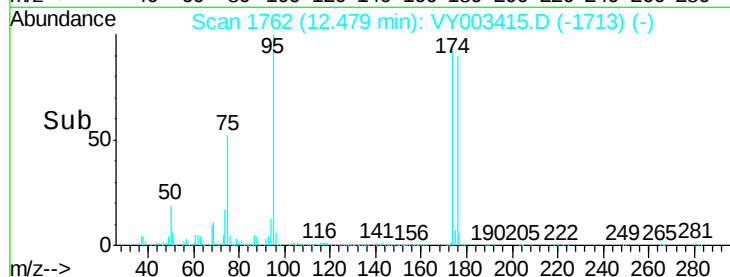
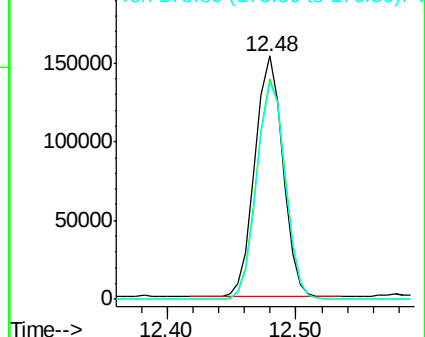
176 91.2 0.0 184.4



Abundance Ion 94.90 (94.60 to 95.60): VY003383.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003383.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003383.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

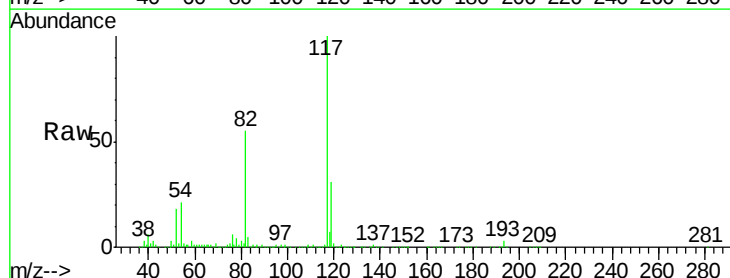
Tgt Ion: 117 Resp: 588527

Ion Ratio Lower Upper

117 100

82 54.9 41.9 62.9

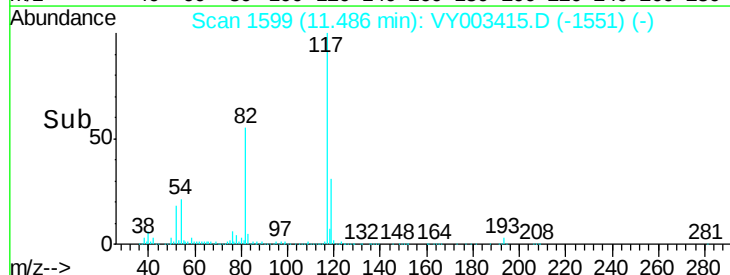
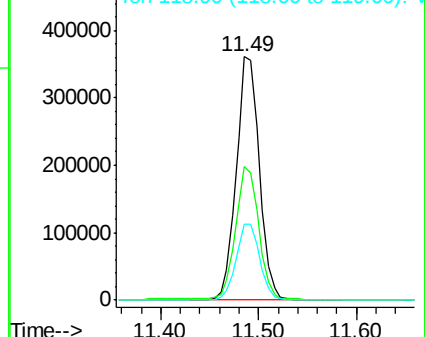
119 31.3 25.4 38.0

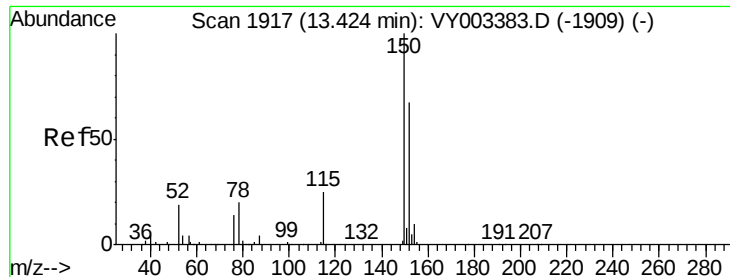


Abundance Ion 116.90 (116.60 to 117.60): VY003383.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY003383.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY003383.D (-1590) (-)



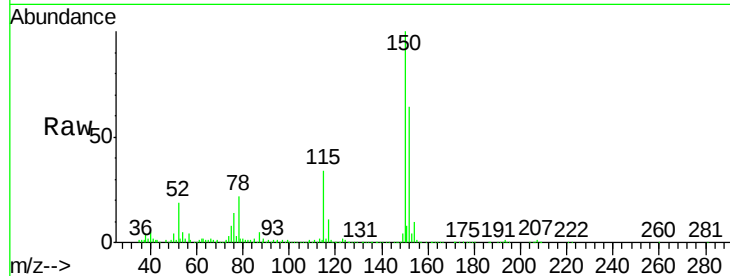


#72

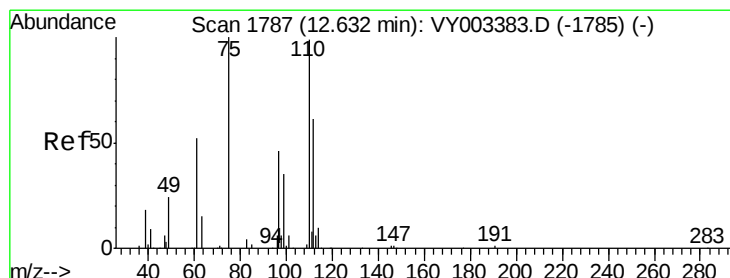
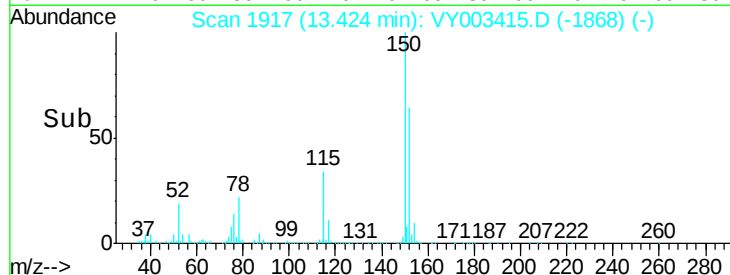
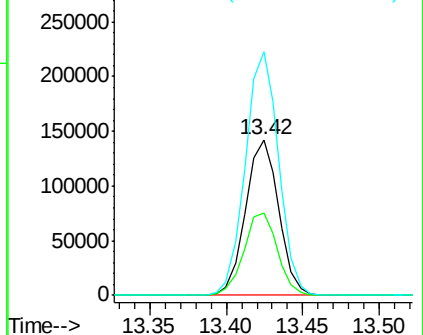
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003415.D
Acq: 03 Aug 2020 14:27

Instrument :
MSVOA_Y
ClientSampleId :
ROLLOFF-72-11982

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.2	81.5
150	157.1	0.0	346.8



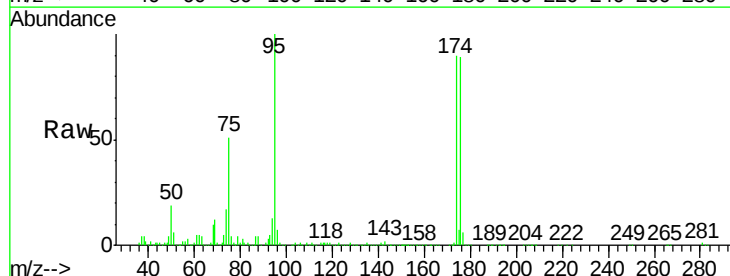
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



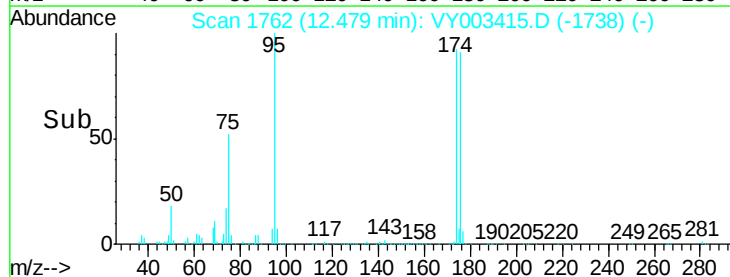
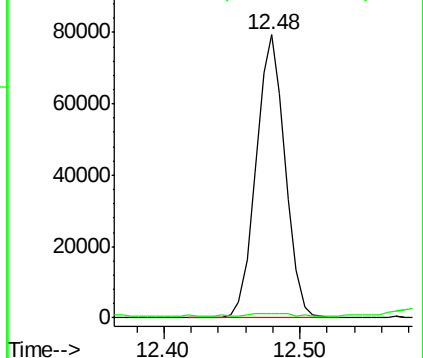
#76

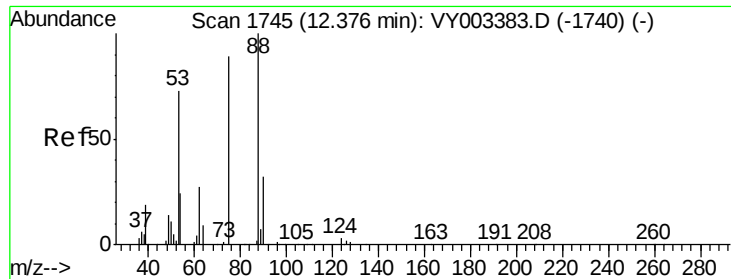
1,2,3-Trichloropropane
Concen: 62.165 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003415.D
Acq: 03 Aug 2020 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 117.570 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003415.D

Acq: 03 Aug 2020 14:27

Instrument :

MSVOA_Y

ClientSampleId :

ROLLOFF-72-11982

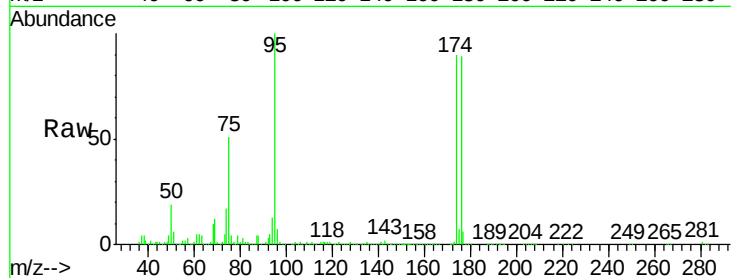
Tot Ion: 75 Resp: 118938

Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

89 0.1 33.8 50.6#



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

