

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002045.D
 Acq On : 24 Mar 2020 13:12
 Operator : SY/MD
 Sample : L2019-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL-CUTTINGS

Quant Time: Mar 24 15:18:59 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	7.81	168	139078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	274499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	253482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	108320	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	89088	60.00	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	120.00%	
35) Dibromofluoromethane	7.74	113	82080	54.76	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	109.52%	
50) Toluene-d8	10.19	98	330476	52.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.49	95	116099	52.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.66%	

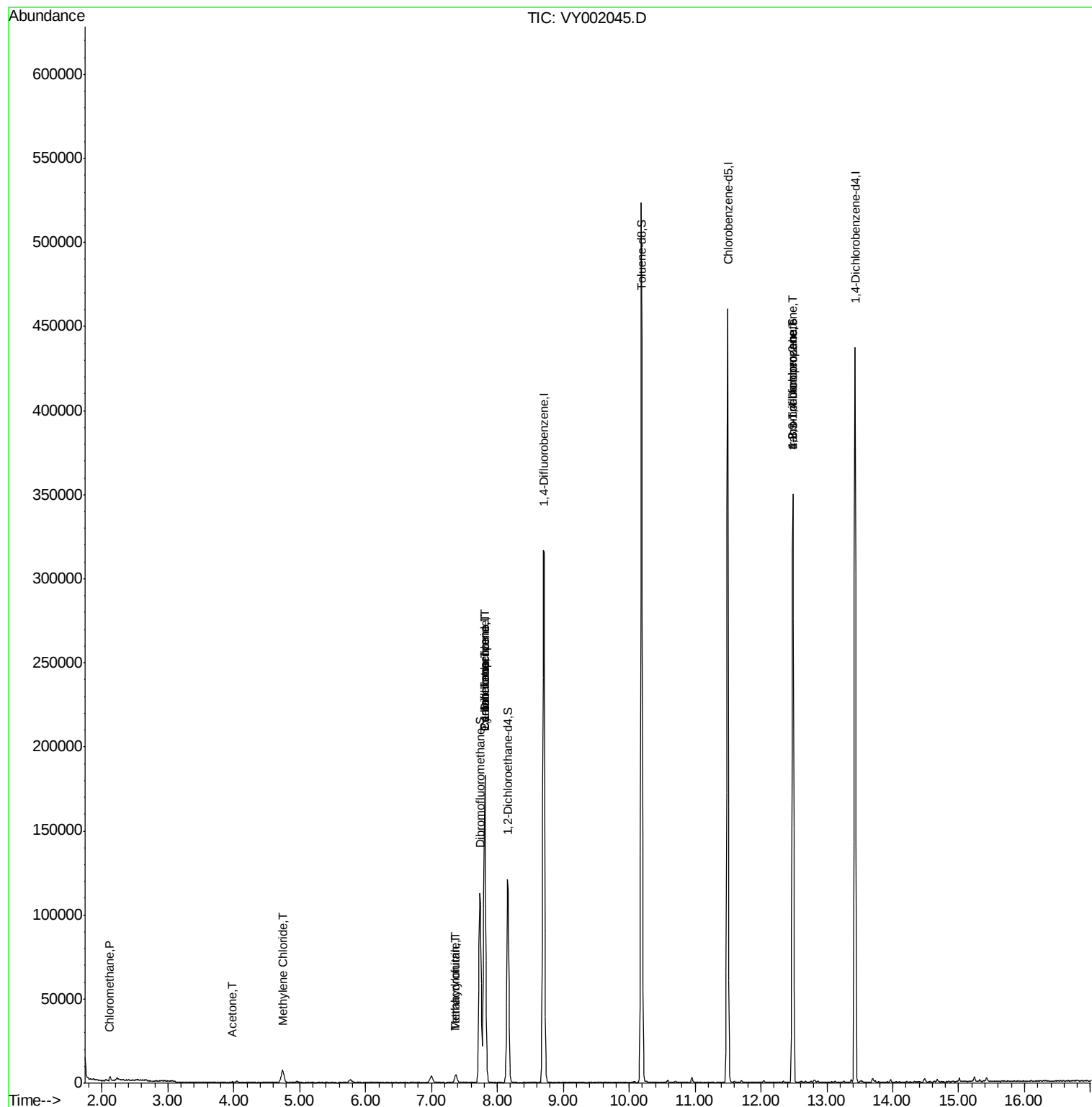
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	1923	1.11	ug/l	98
5) Bromomethane	2.68	94	181	Below	Cal	90
11) Tert butyl alcohol	5.00	59	157	Below	Cal #	74
16) Acetone	3.98	43	817	1.89	ug/l #	79
20) Methylene Chloride	4.74	84	5487	2.96	ug/l	92
29) Tetrahydrofuran	7.36	42	4117	9.43	ug/l	94
31) Cyclohexane	7.82	56	3273	1.00	ug/l #	23
36) 1,1-Dichloropropene	7.81	75	11528	4.36	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14146	6.27	ug/l #	16
41) Methacrylonitrile	7.37	41	2387	3.45	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	58252	45.32	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58252	91.55	ug/l #	17

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

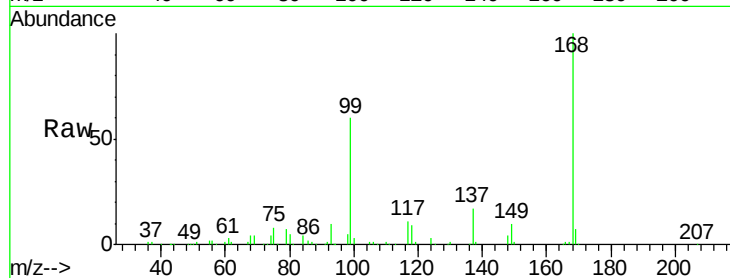
DRILL-CUTTINGS

Tgt Ion:168 Resp: 139078

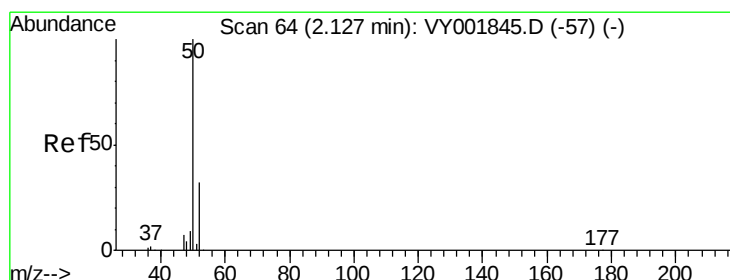
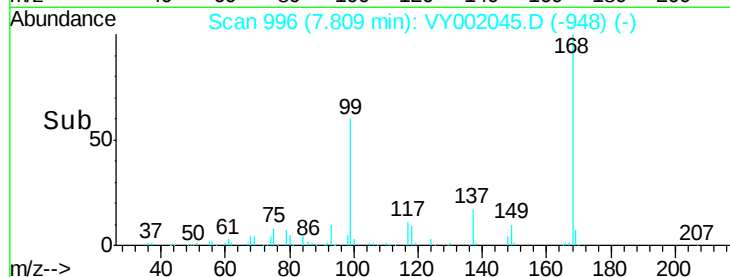
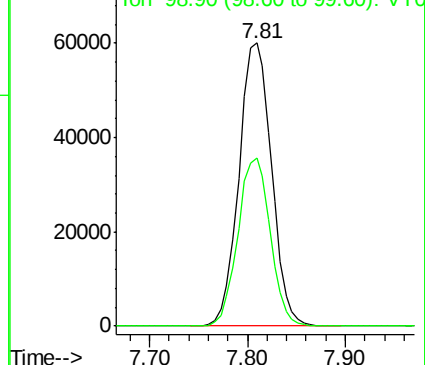
Ion Ratio Lower Upper

168 100

99 59.6 46.7 70.1



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



#3

Chloromethane

Concen: 1.11 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002045.D

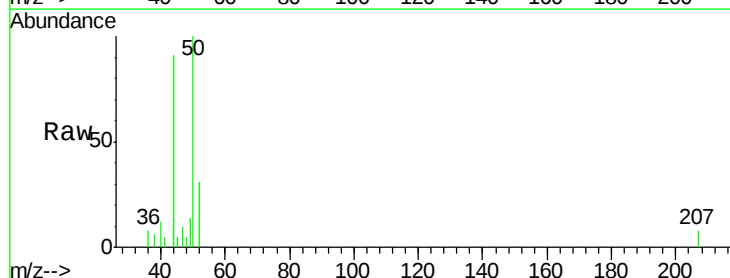
Acq: 24 Mar 2020 13:12

Tgt Ion: 50 Resp: 1923

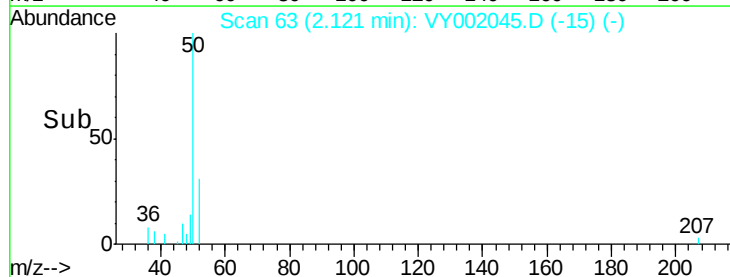
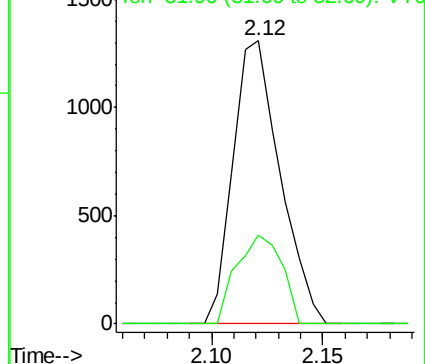
Ion Ratio Lower Upper

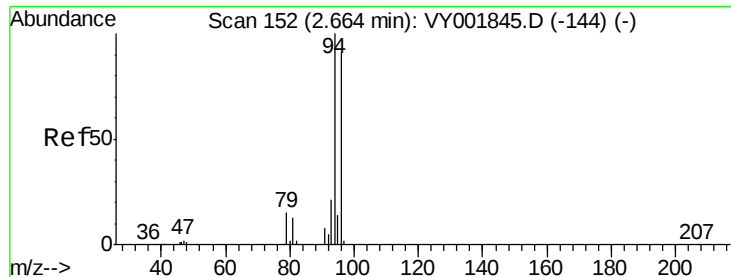
50 100

52 31.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001845.D (-57) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

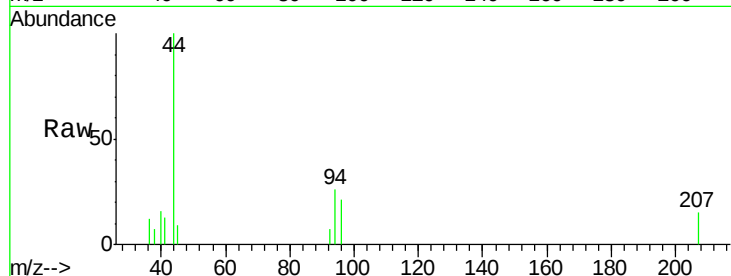
DRILL-CUTTINGS

Tgt Ion: 94 Resp: 181

Ion Ratio Lower Upper

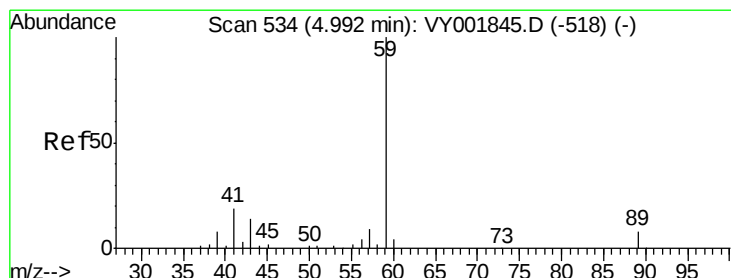
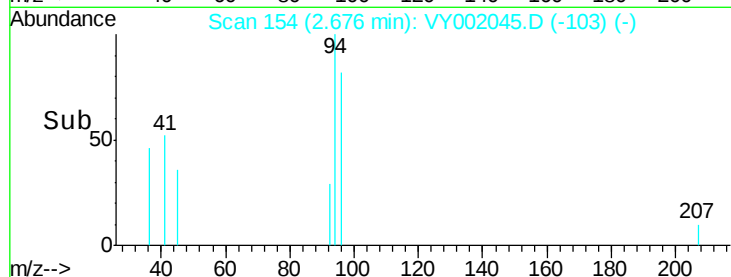
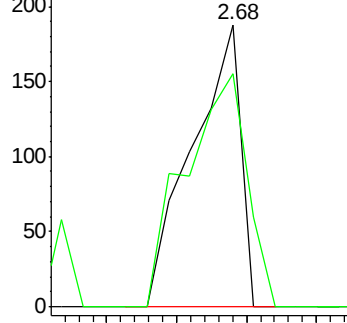
94 100

96 82.4 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY002045.D

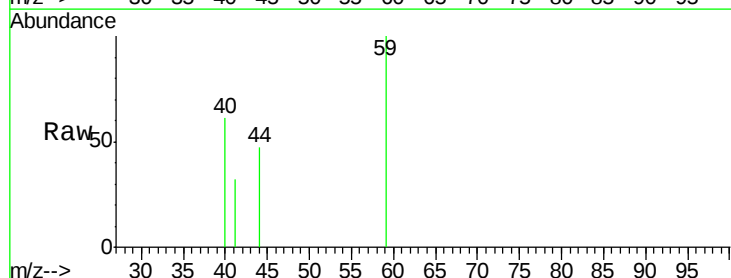
Acq: 24 Mar 2020 13:12

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

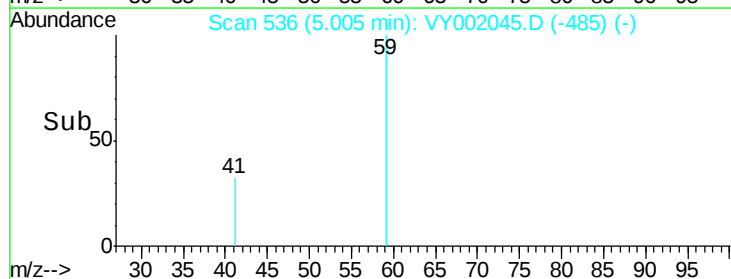
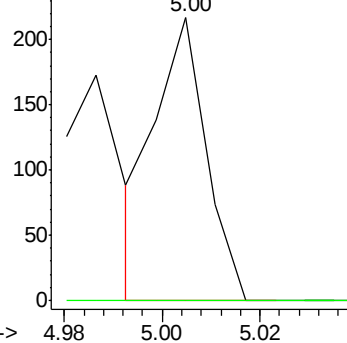
59 100

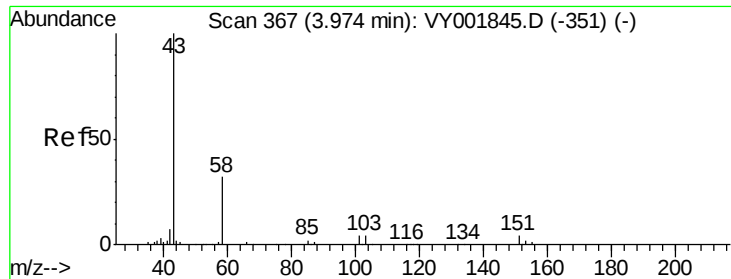
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 1.89 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

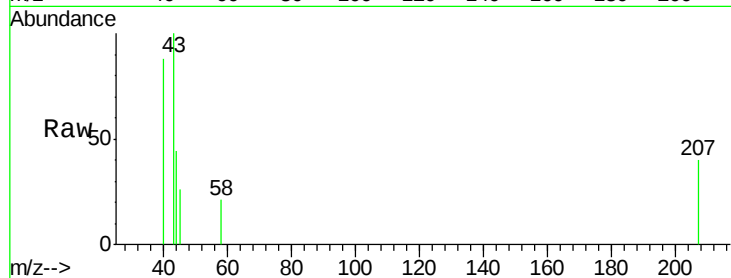
DRILL-CUTTINGS

Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

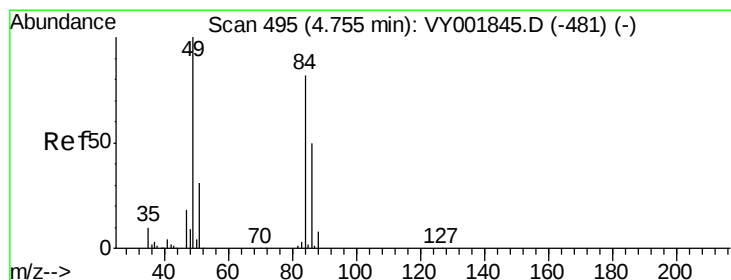
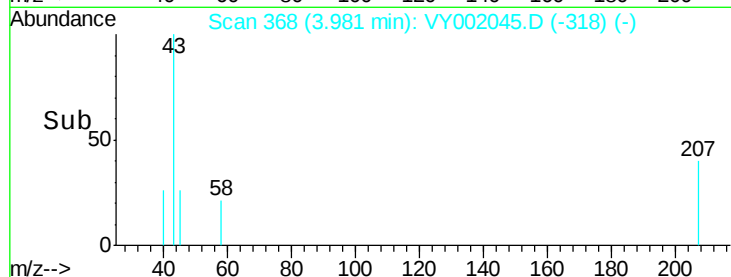
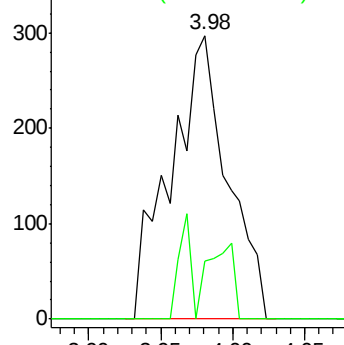
43 100

58 20.5 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.96 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Tgt Ion: 84 Resp: 5487

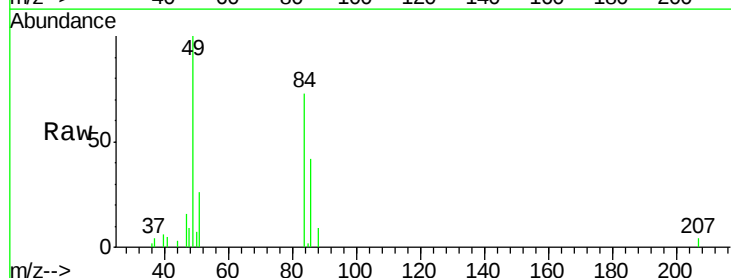
Ion Ratio Lower Upper

84 100

49 136.2 98.2 147.2

51 35.9 30.2 45.2

86 57.5 48.9 73.3

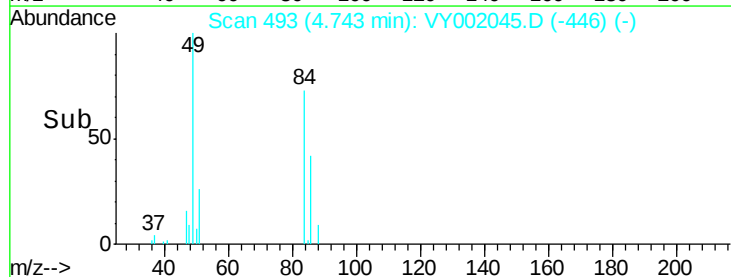
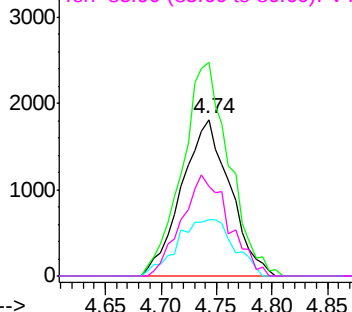


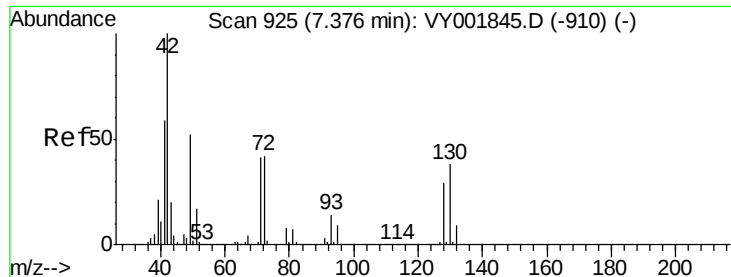
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

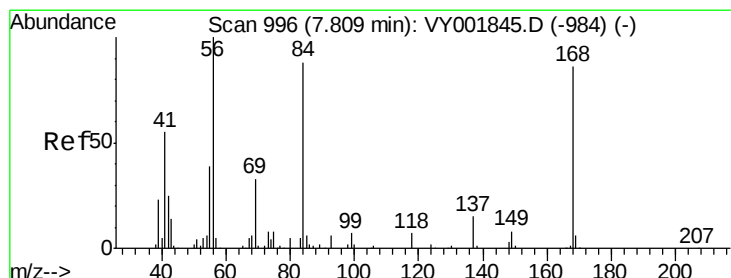
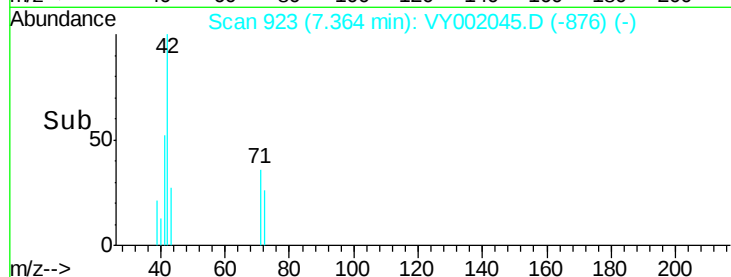
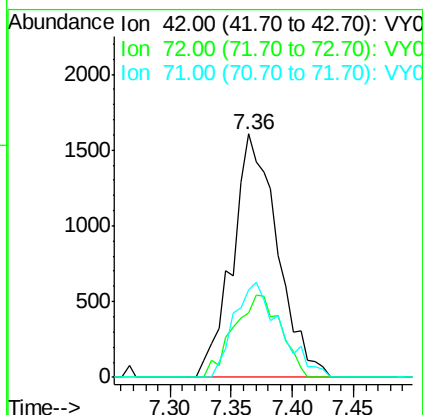
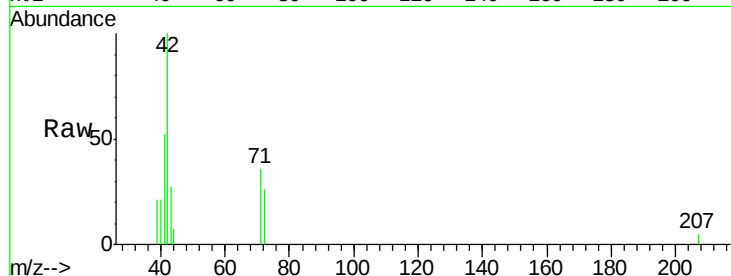




#29
Tetrahydrofuran
Concen: 9.43 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

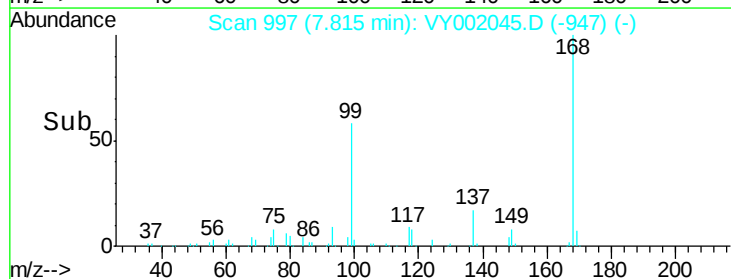
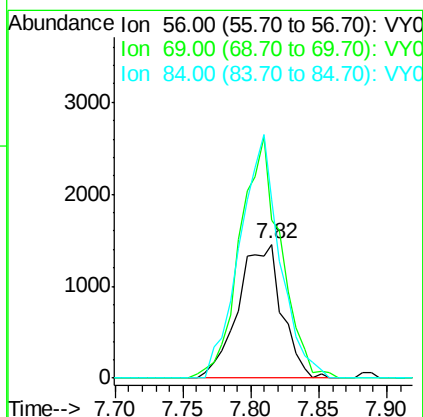
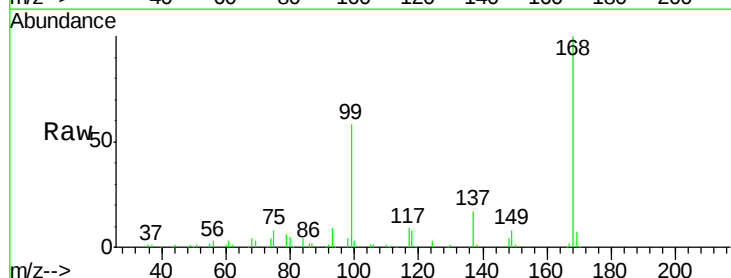
Instrument :
MSVOA_Y
ClientSampleId :
DRILL-CUTTINGS

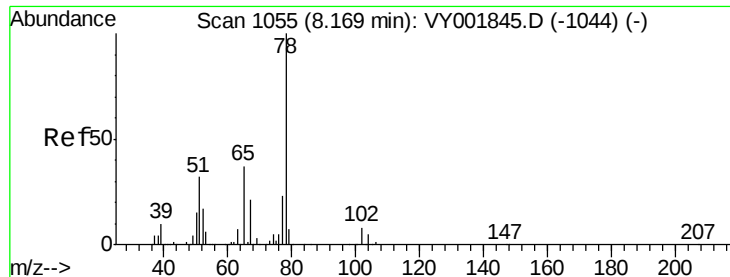
Tgt Ion: 42 Resp: 4117
Ion Ratio Lower Upper
42 100
72 35.2 33.5 50.3
71 39.8 31.3 46.9



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

Tgt Ion: 56 Resp: 3273
Ion Ratio Lower Upper
56 100
69 118.5 26.7 40.1#
84 133.9 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 60.00 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

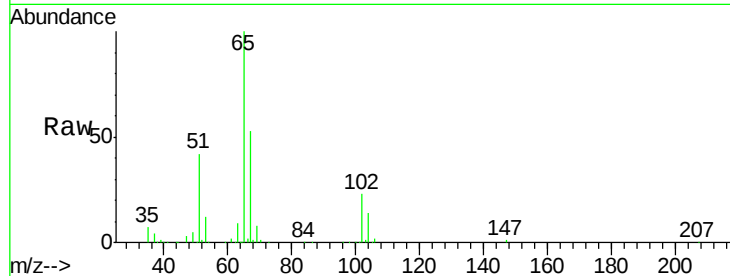
DRILL-CUTTINGS

Tgt Ion: 65 Resp: 89088

Ion Ratio Lower Upper

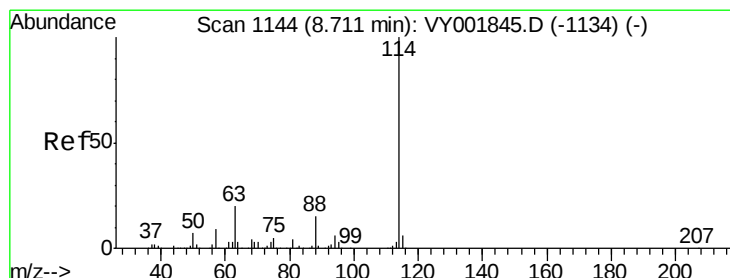
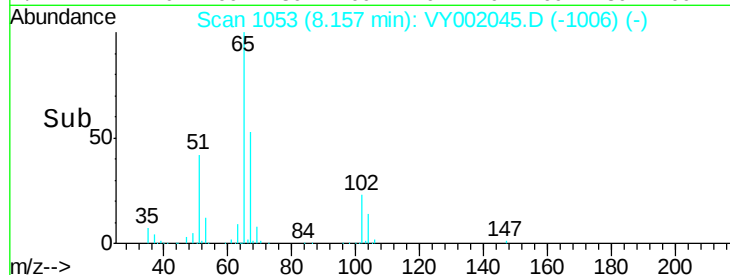
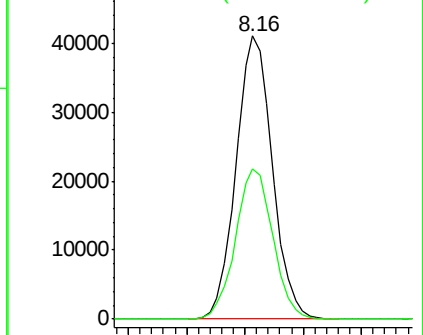
65 100

67 54.4 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

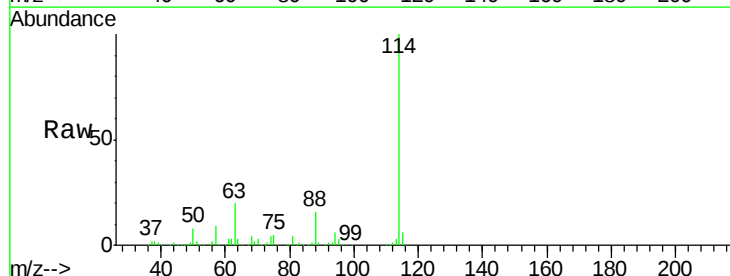
Tgt Ion: 114 Resp: 274499

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

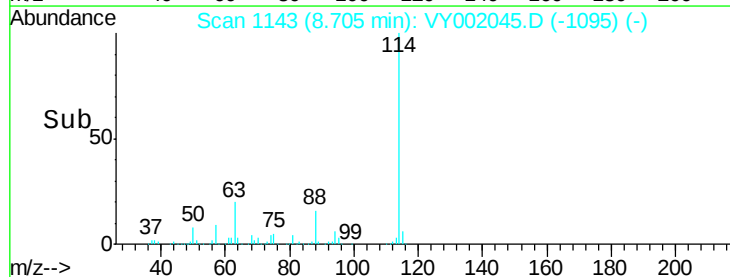
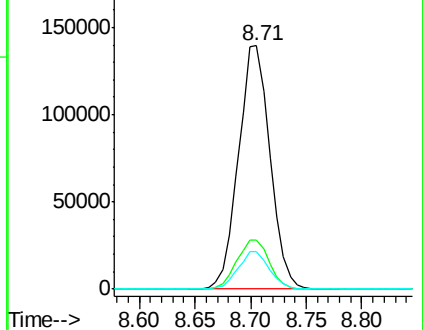
88 15.5 0.0 30.4

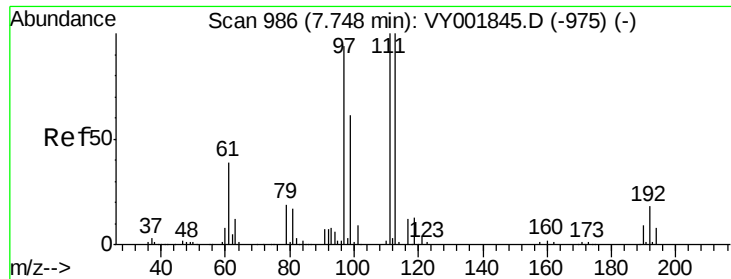


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

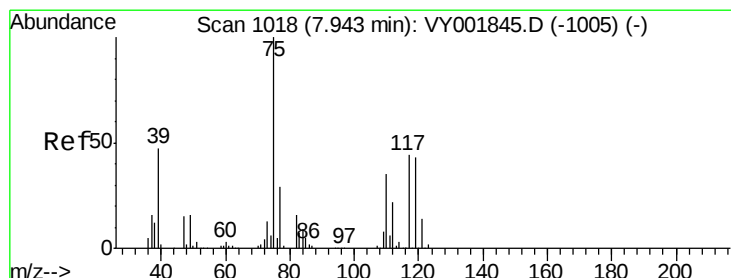
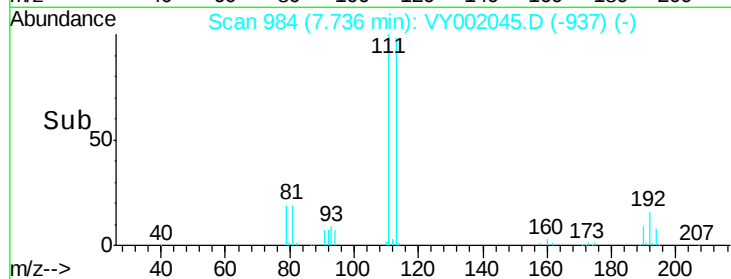
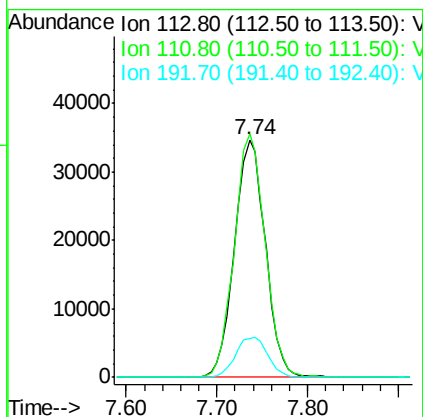
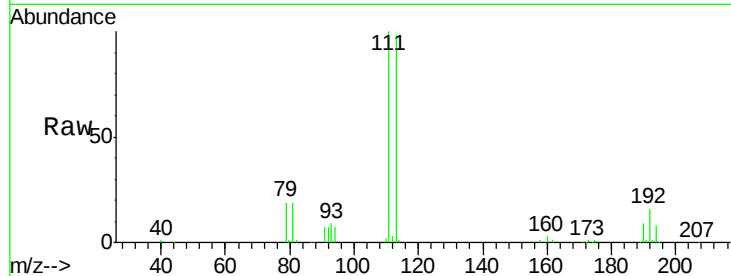




#35
 Dibromofluoromethane
 Concen: 54.76 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY002045.D
 Acq: 24 Mar 2020 13:12

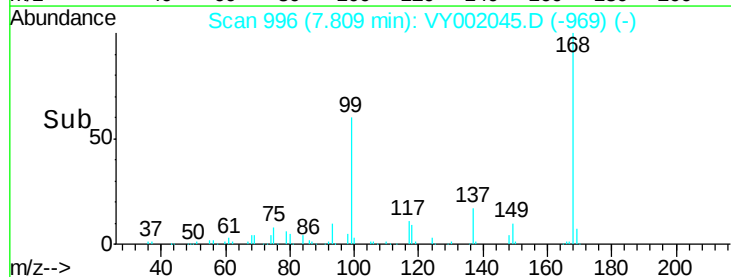
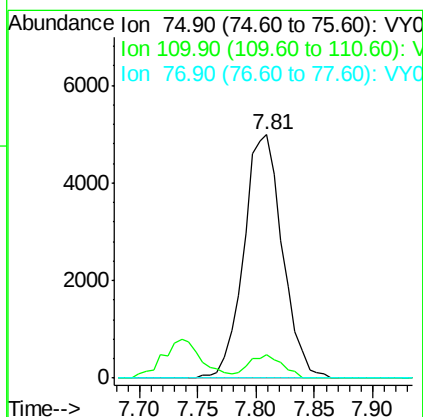
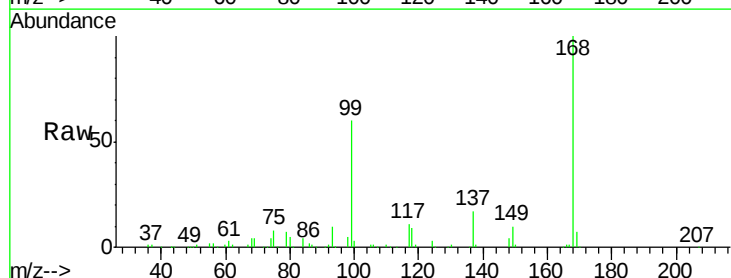
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 DRILL-CUTTINGS

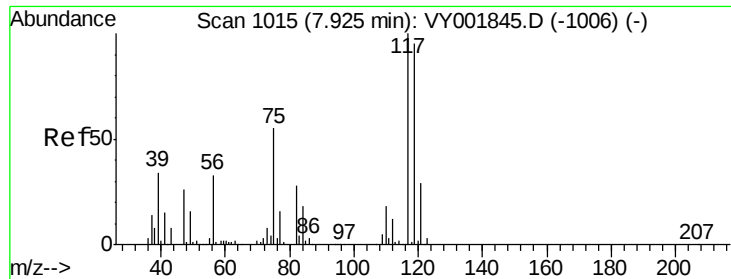
Tgt Ion:113 Resp: 82080
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.8
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002045.D
 Acq: 24 Mar 2020 13:12

Tgt Ion: 75 Resp: 11528
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.4 52.2#
 77 0.0 24.2 36.2#

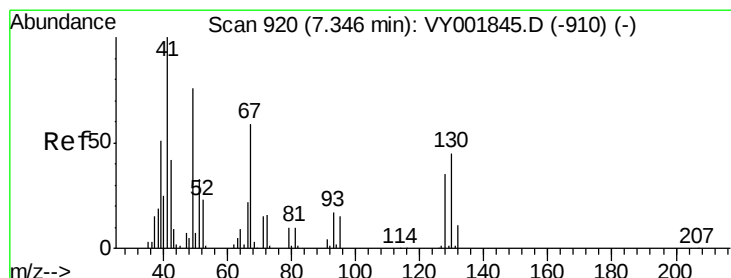
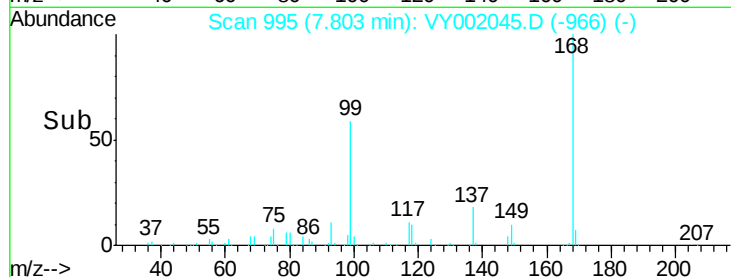
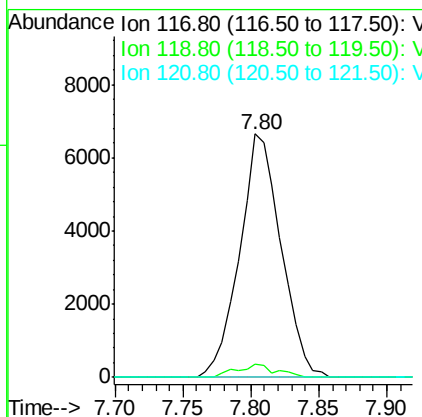
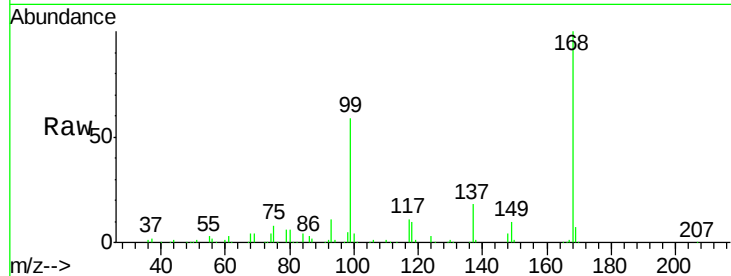




#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

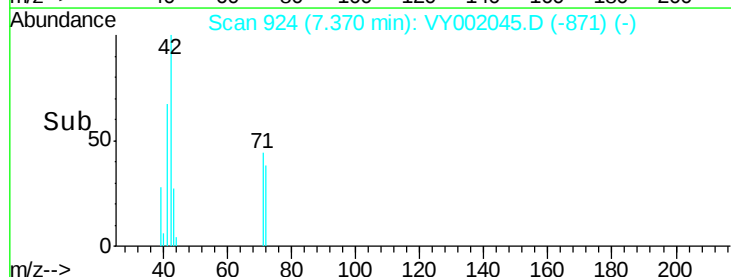
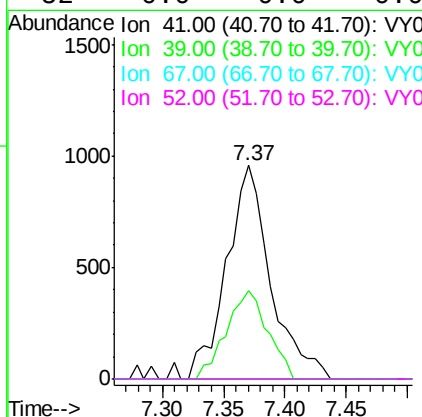
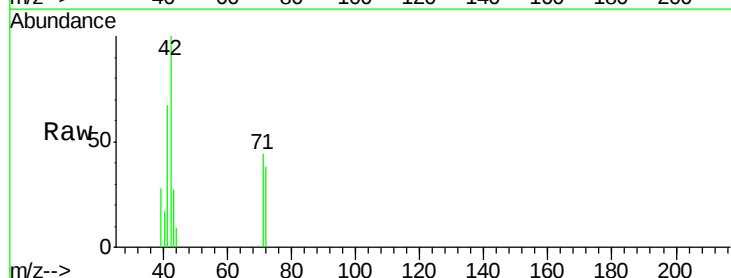
Instrument :
MSVOA_Y
ClientSampleId :
DRILL-CUTTINGS

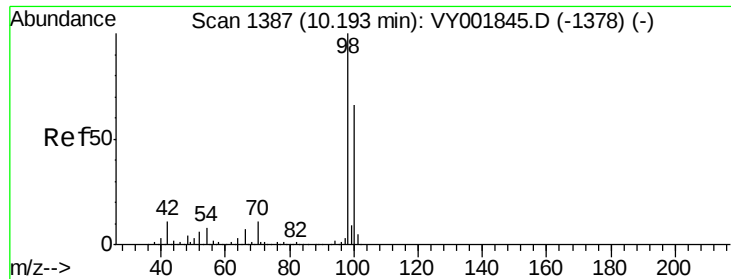
Tgt Ion:117 Resp: 14146
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 3.45 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

Tgt Ion: 41 Resp: 2387
Ion Ratio Lower Upper
41 100
39 38.8 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

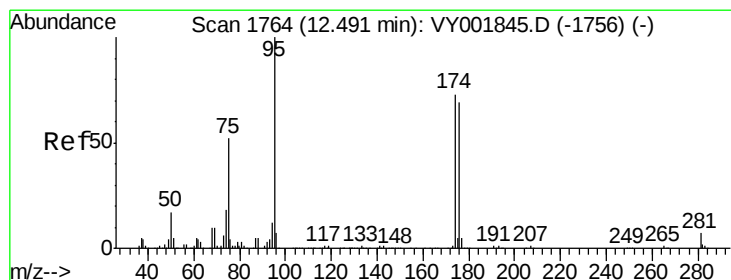
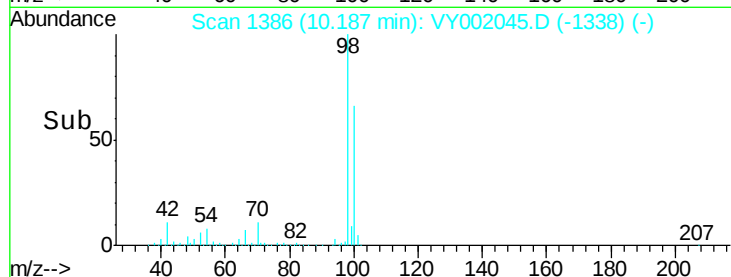
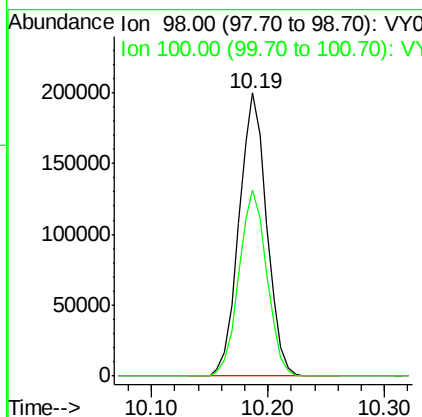
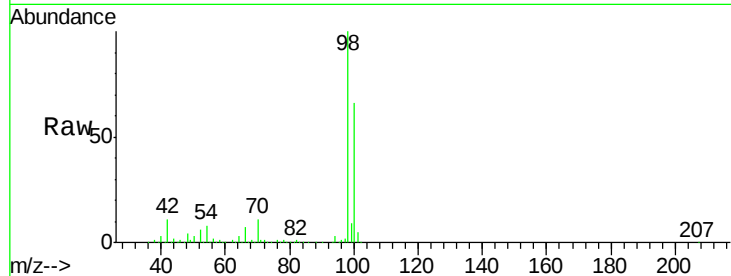




#50
Toluene-d8
Concen: 52.29 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

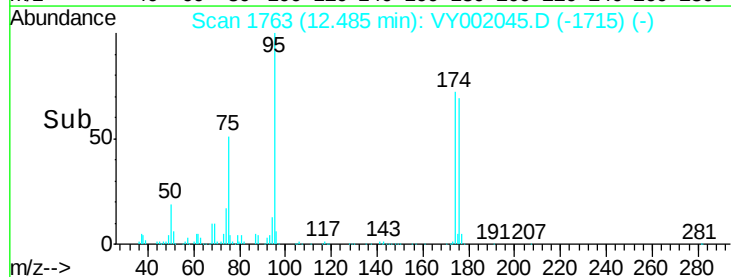
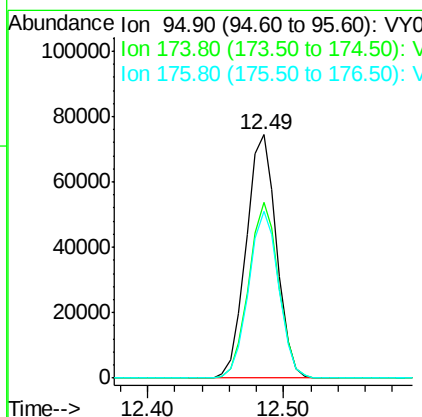
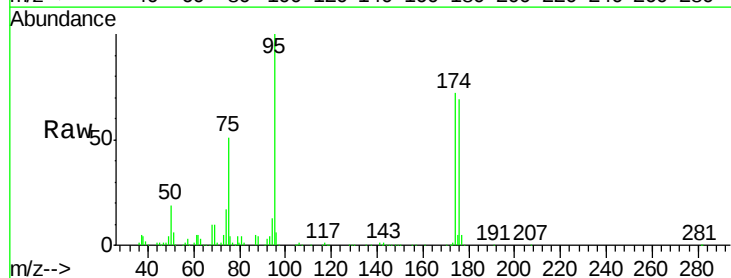
Instrument :
MSVOA_Y
ClientSampleId :
DRILL-CUTTINGS

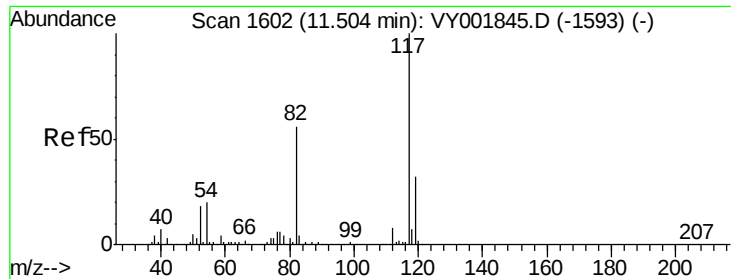
Tgt Ion: 98 Resp: 330476
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.83 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

Tgt Ion: 95 Resp: 116099
Ion Ratio Lower Upper
95 100
174 71.4 0.0 145.0
176 68.1 0.0 137.4

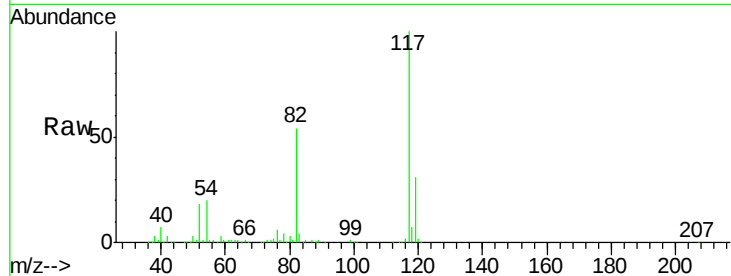




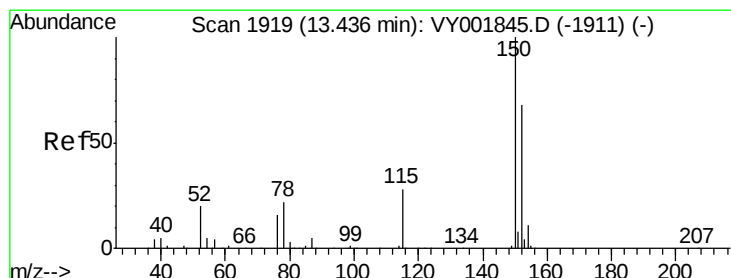
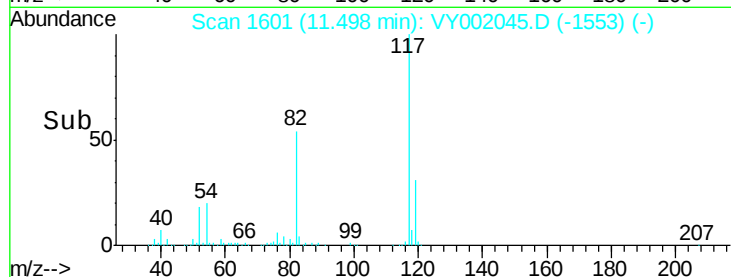
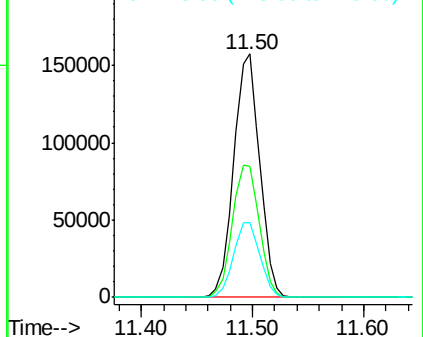
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

Instrument :
MSVOA_Y
ClientSampleId :
DRILL-CUTTINGS

Tgt Ion:117 Resp: 253482
Ion Ratio Lower Upper
117 100
82 54.0 44.5 66.7
119 30.7 25.7 38.5

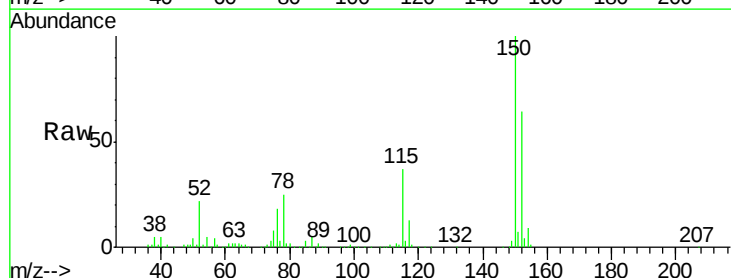


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

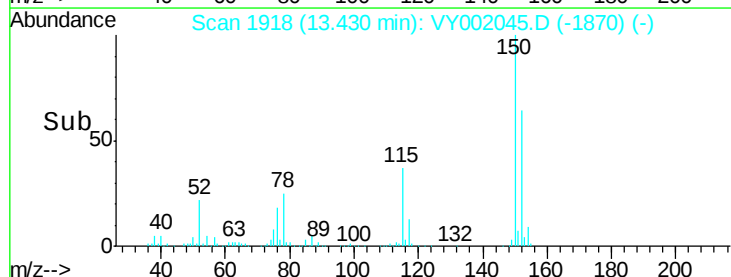
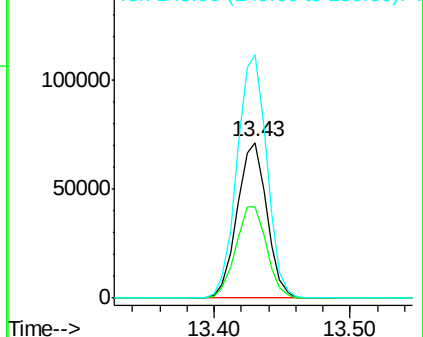


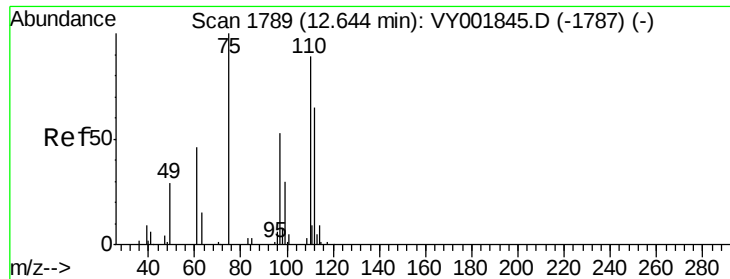
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002045.D
Acq: 24 Mar 2020 13:12

Tgt Ion:152 Resp: 108320
Ion Ratio Lower Upper
152 100
115 61.1 29.9 89.7
150 157.0 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: 45.32 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Instrument :

MSVOA_Y

ClientSampleId :

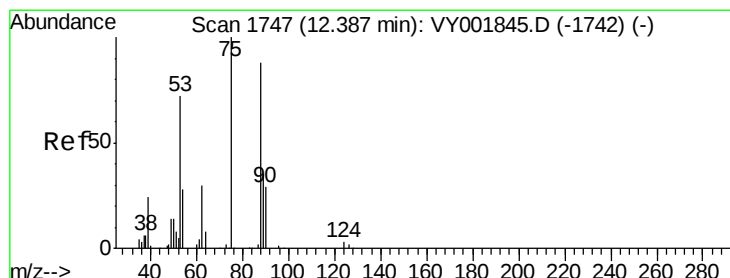
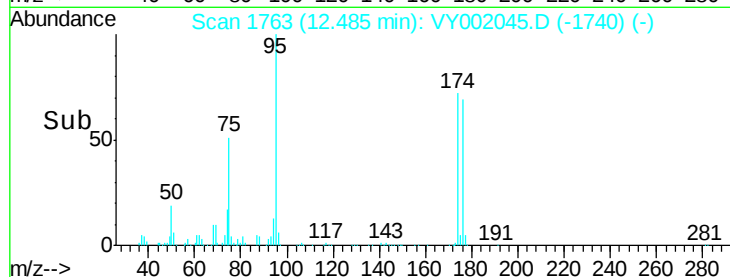
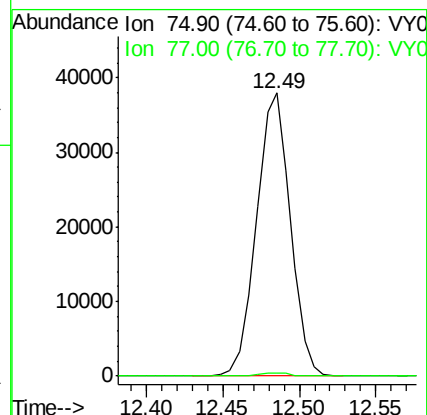
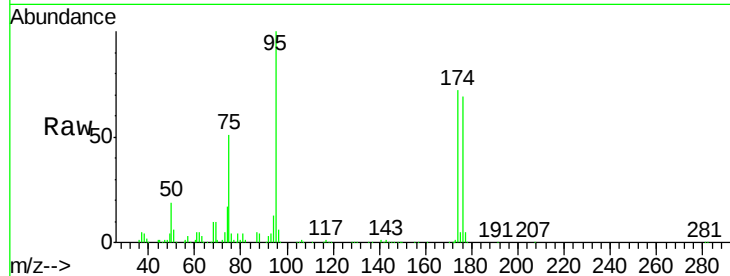
DRILL-CUTTINGS

Tgt Ion: 75 Resp: 58252

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.55 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002045.D

Acq: 24 Mar 2020 13:12

Tgt Ion: 75 Resp: 58252

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

