

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
 Data File : VY002826.D
 Acq On : 03 Jun 2020 12:29
 Operator : SY/MD
 Sample : L2840-03
 Misc : 5.34G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-OIL

Quant Time: Jun 03 16:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	265603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	429192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	365347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	130858	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	120312	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	7.72	113	129700	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.18	98	497439	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.48	95	142474	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.99	59	27	Below Cal	#	74
16) Acetone	3.97	43	1470	2.72	ug/l	94
18) Methyl Acetate	4.49	43	581	Below Cal	#	65
20) Methylene Chloride	4.72	84	24067	9.11	ug/l	98
31) Cyclohexane	7.80	56	7775	1.99	ug/l	# 36
36) 1,1-Dichloropropene	7.80	75	16325	4.52	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	23705	5.90	ug/l	# 18
39) Methylcyclohexane	9.19	83	24227	5.08	ug/l	94
52) Toluene	10.24	92	218613	31.28	ug/l	100
55) 1,1,2-Trichloroethane	10.62	97	21384	9.18	ug/l	# 23
56) Ethyl methacrylate	10.52	69	4449	1.43	ug/l	# 1
59) 2-Hexanone	10.80	43	15693	11.21	ug/l	# 26
67) Ethyl Benzene	11.60	91	1029574	82.24	ug/l	100
68) m/p-Xylenes	11.70	106	2023289	416.85	ug/l	99
69) o-Xylene	12.03	106	1274421	278.13	ug/l	99
70) Styrene	12.03	104	63210	7.96	ug/l	# 1
73) Isopropylbenzene	12.33	105	408497	48.71	ug/l	100
74) N-amyl acetate	12.12	43	37819	17.58	ug/l	# 52
75) 1,1,2,2-Tetrachloroethane	12.64	83	14158	9.62	ug/l	# 41
76) 1,2,3-Trichloropropane	12.67	75	8350	7.08	ug/l	# 100
78) n-propylbenzene	12.67	91	1493266	154.16	ug/l	100
79) 2-Chlorotoluene	12.74	91	691821	127.32	ug/l	# 38
80) 1,3,5-Trimethylbenzene	12.81	105	2374853	339.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	3980	6.36	ug/l	# 37
82) 4-Chlorotoluene	12.81	91	243850	42.83	ug/l	# 39
83) tert-Butylbenzene	13.12	119	1243754	199.14	ug/l	# 64
84) 1,2,4-Trimethylbenzene	13.12	105	9202692	1307.12	ug/l	96
85) sec-Butylbenzene	13.25	105	335383	39.27	ug/l	80
86) p-Isopropyltoluene	13.37	119	215874	27.17	ug/l	100
89) n-Butylbenzene	13.70	91	449781	62.34	ug/l	# 72
90) Hexachloroethane	13.97	117	175938	118.27	ug/l	# 6
92) 1,2-Dibromo-3-Chloropropan	14.38	75	3179	11.23	ug/l	# 4
95) Naphthalene	15.23	128	1861951	328.45	ug/l	98
96) 1,2,3-Trichlorobenzene	15.45	180	6190	2.45	ug/l	# 1

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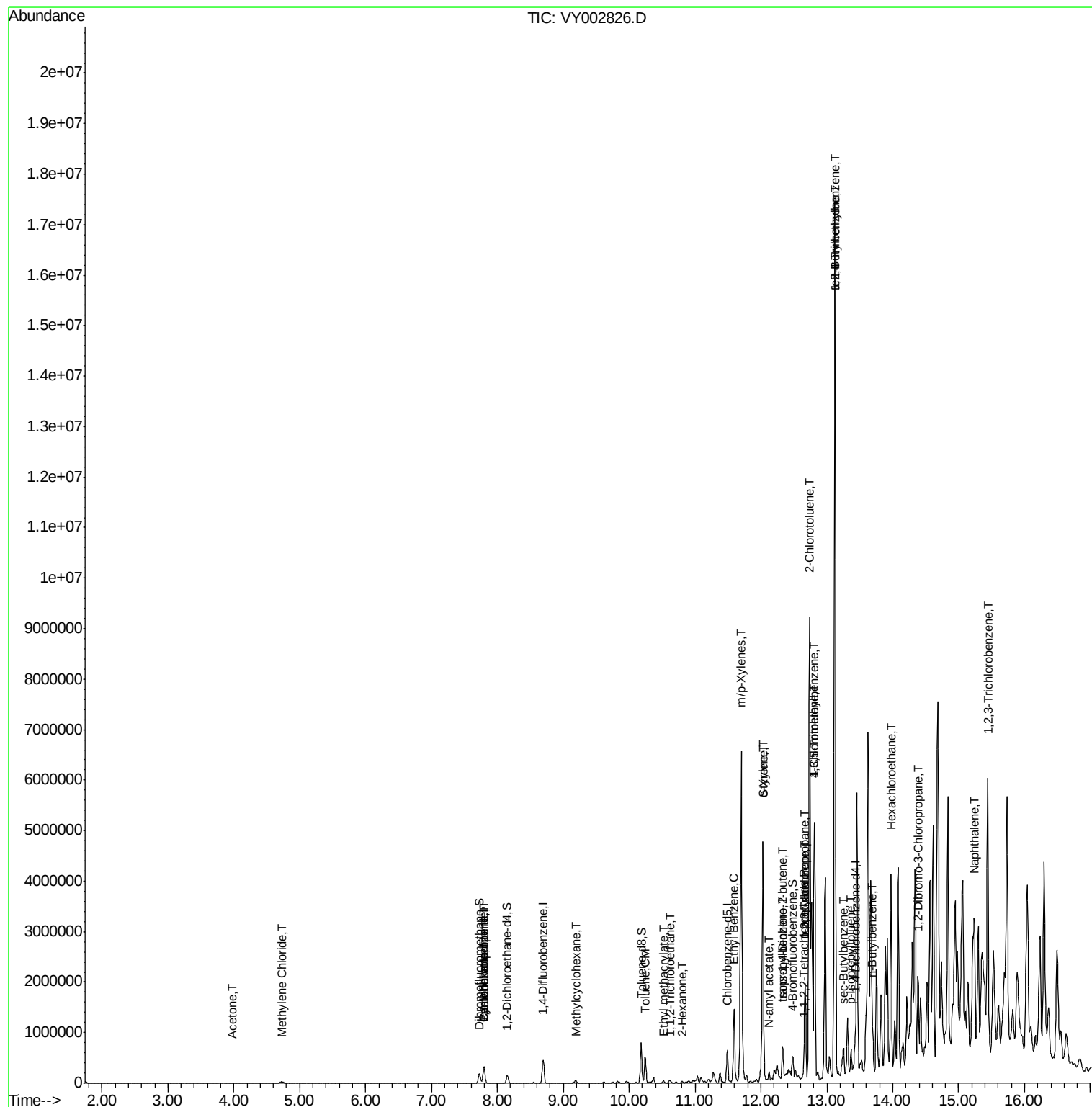
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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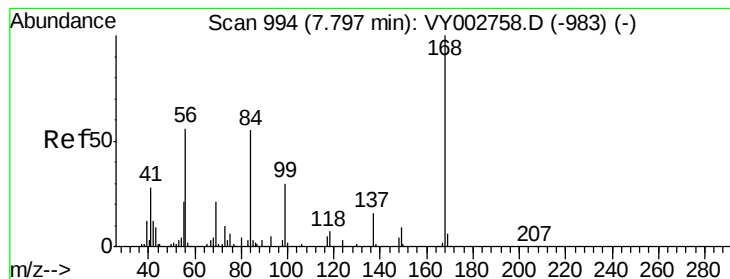
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002826.D

Acq: 03 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

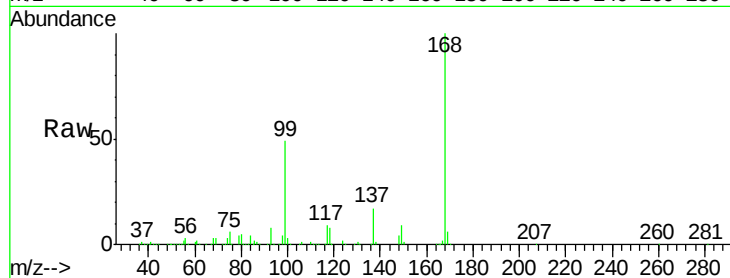
DRUM-OIL

Tgt Ion:168 Resp: 265603

Ion Ratio Lower Upper

168 100

99 49.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002826.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002826.D (-945) (-)

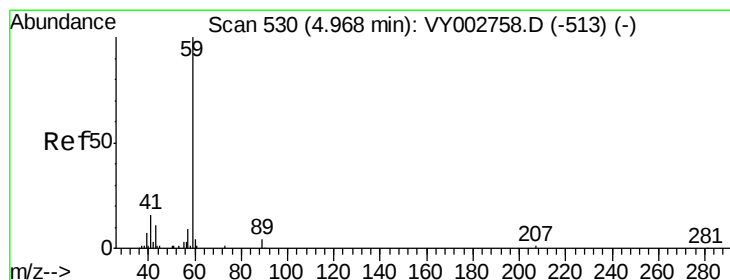
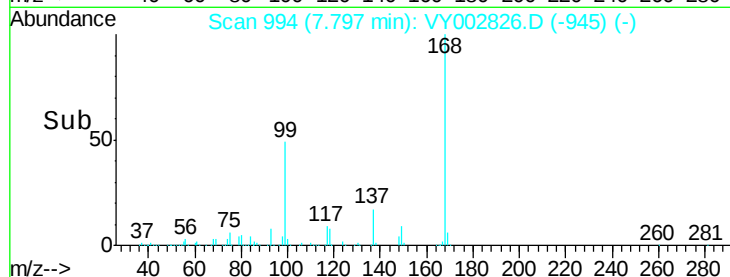
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.02 min

Lab File: VY002826.D

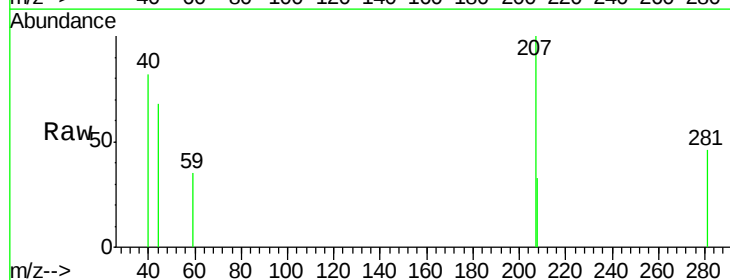
Acq: 03 Jun 2020 12:29

Tgt Ion: 59 Resp: 27

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002826.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002826.D (-481) (-)

4.99

80

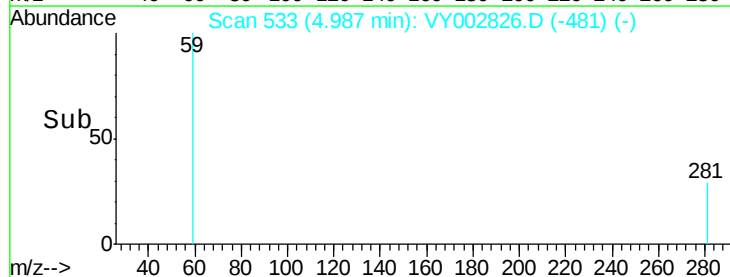
60

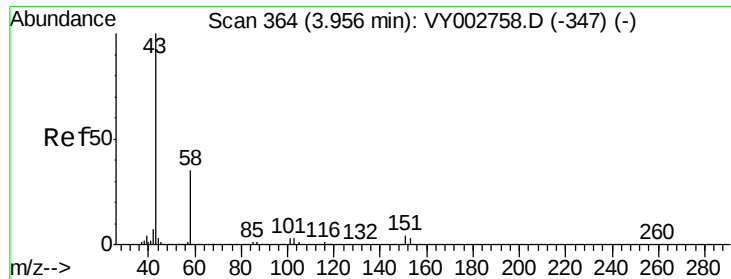
40

20

0

Time-->





#16

Acetone

Concen: 2.72 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002826.D

Acq: 03 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampled :

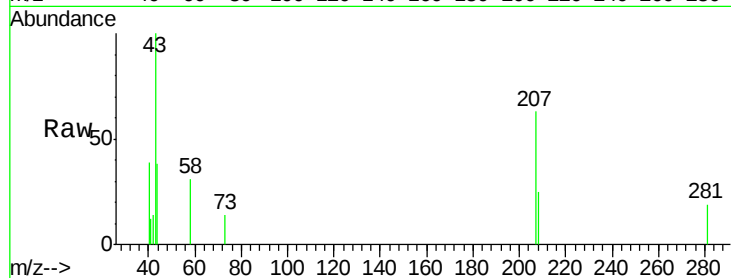
DRUM-OIL

Tgt Ion: 43 Resp: 1470

Ion Ratio Lower Upper

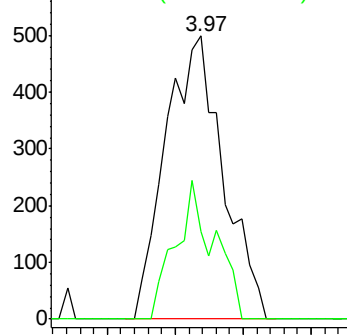
43 100

58 30.9 27.7 41.5

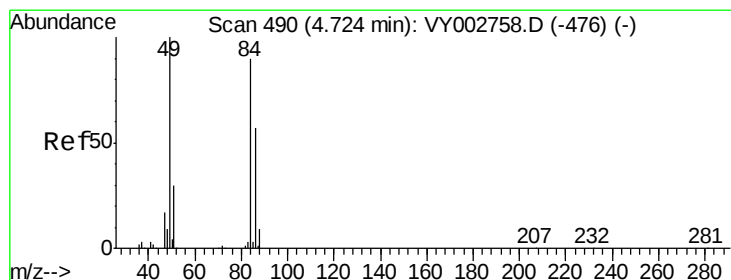
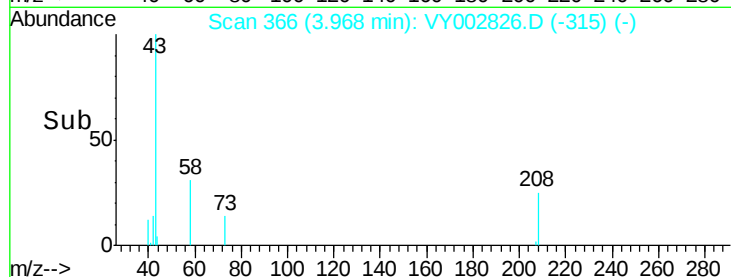


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 9.11 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002826.D

Acq: 03 Jun 2020 12:29

Tgt Ion: 84 Resp: 24067

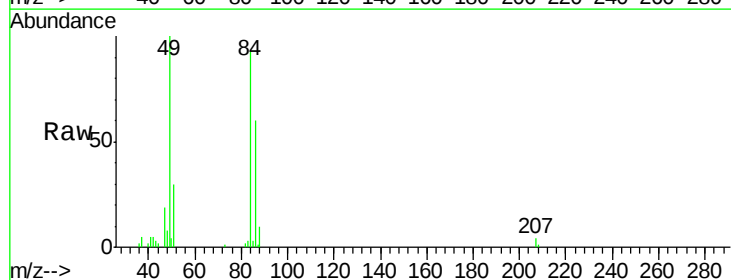
Ion Ratio Lower Upper

84 100

49 107.5 88.5 132.7

51 32.3 26.8 40.2

86 64.2 50.6 75.8

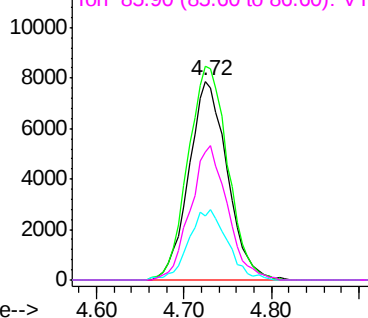


Abundance Ion 83.90 (83.60 to 84.60): VY0

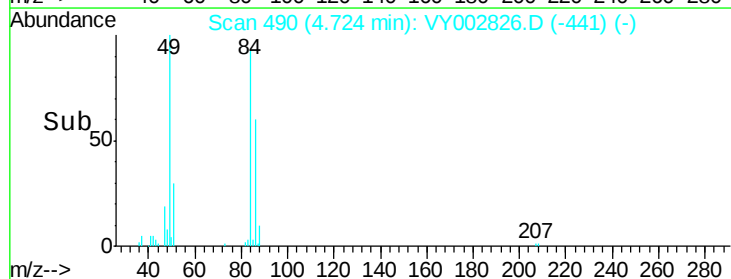
Ion 48.90 (48.60 to 49.60): VY0

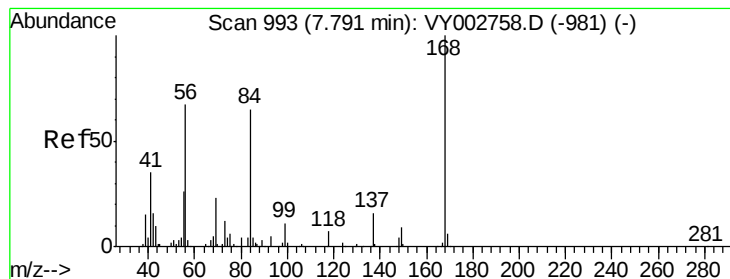
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#31

Cyclohexane

Concen: 1.99 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002826.D

Acq: 03 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

DRUM-OIL

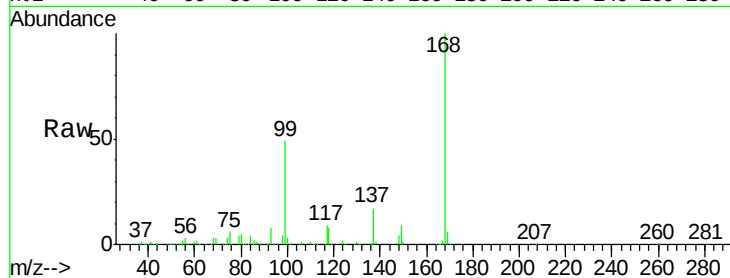
Tgt Ion: 56 Resp: 7775

Ion Ratio Lower Upper

56 100

69 114.9 28.0 42.0#

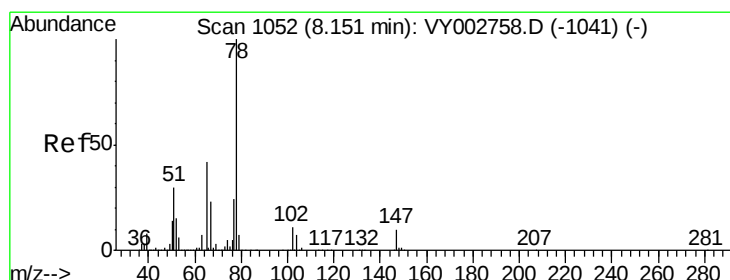
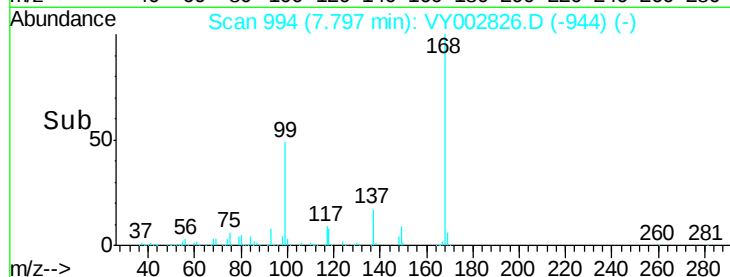
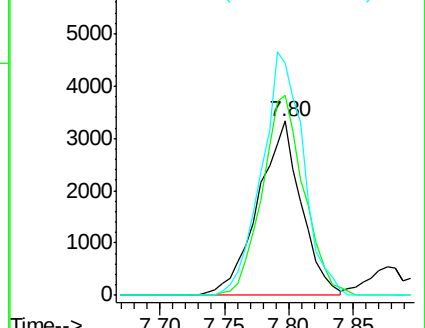
84 133.5 77.7 116.5#



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: 52.17 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002826.D

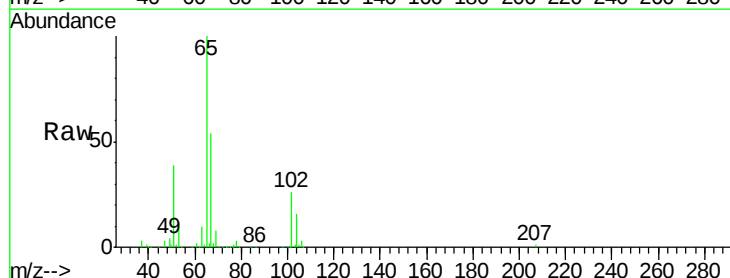
Acq: 03 Jun 2020 12:29

Tgt Ion: 65 Resp: 120312

Ion Ratio Lower Upper

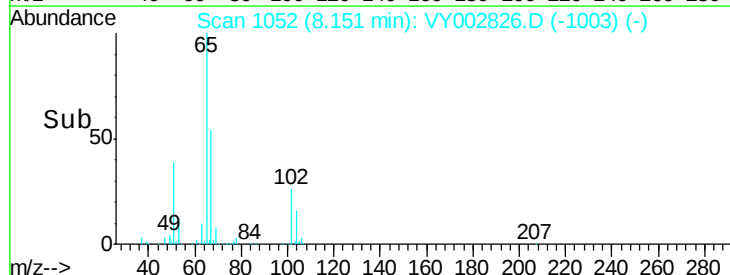
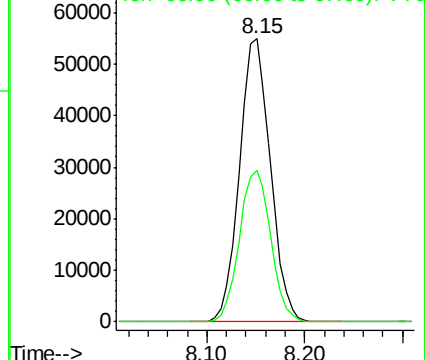
65 100

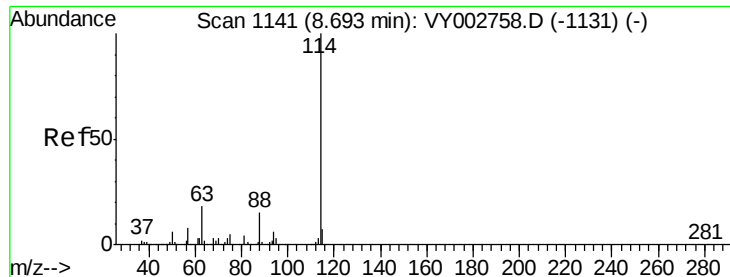
67 54.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

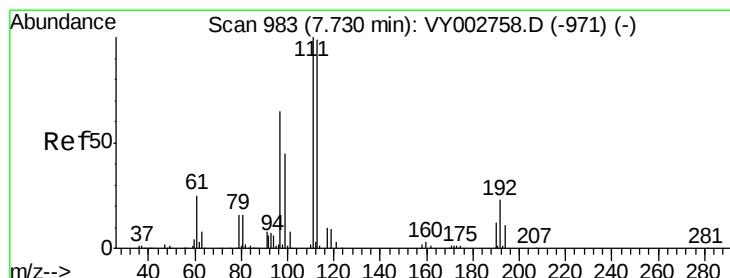
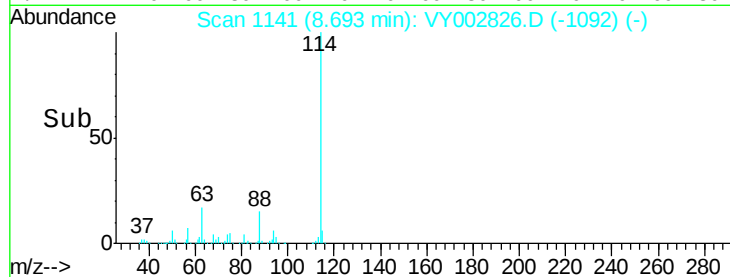
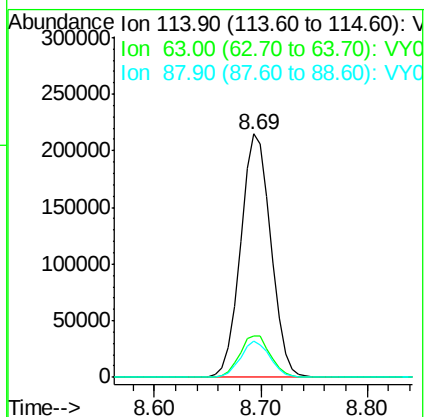
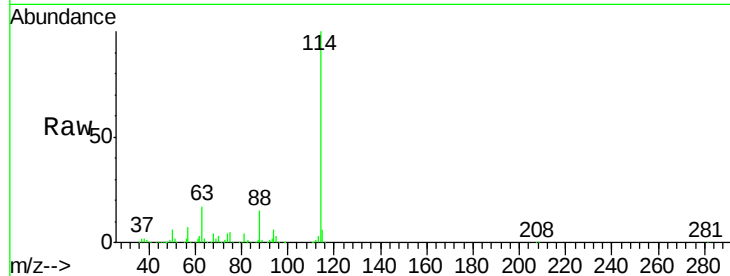




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002826.D
 Acq: 03 Jun 2020 12:29

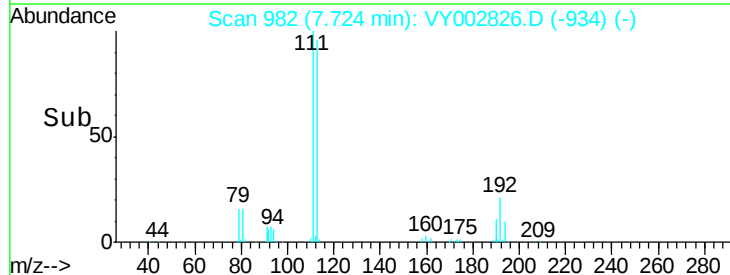
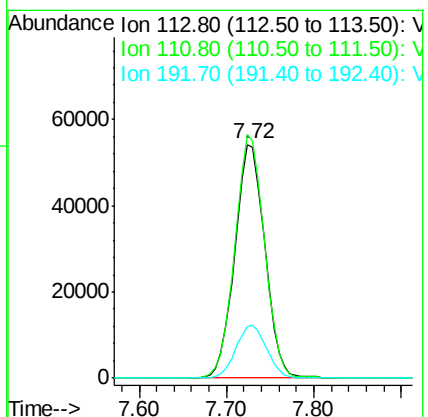
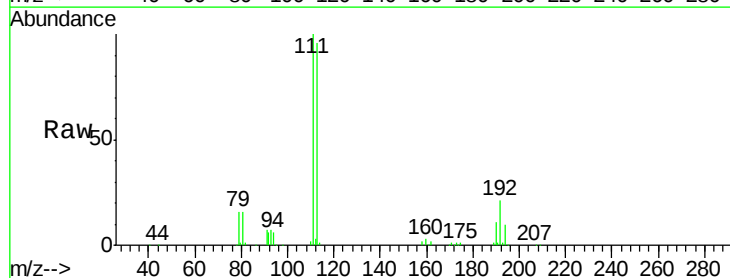
Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-OIL

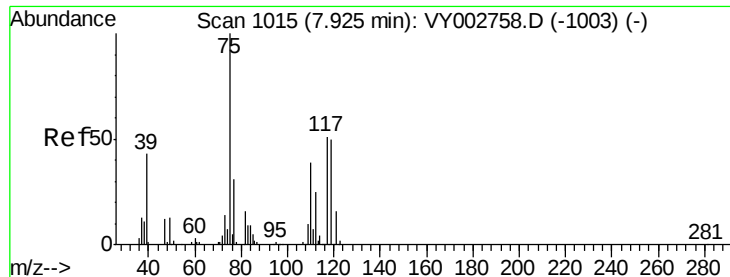
Tgt Ion:114 Resp: 429192
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.2
 88 15.2 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 51.56 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002826.D
 Acq: 03 Jun 2020 12:29

Tgt Ion:113 Resp: 129700
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 23.0 18.9 28.3





#36

1,1-Dichloropropene

Concen: 4.52 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002826.D

Acq: 03 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

DRUM-OIL

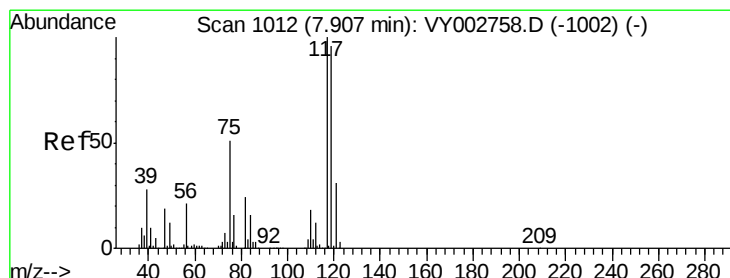
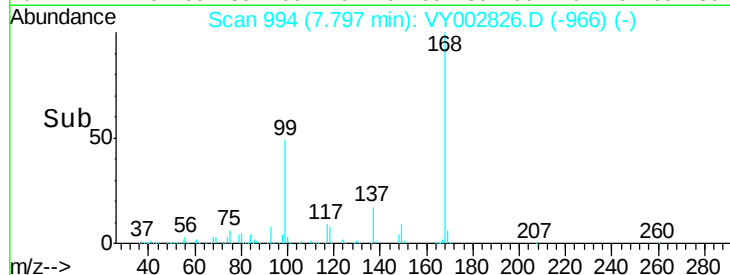
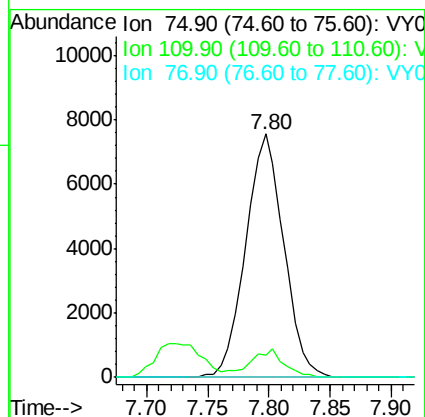
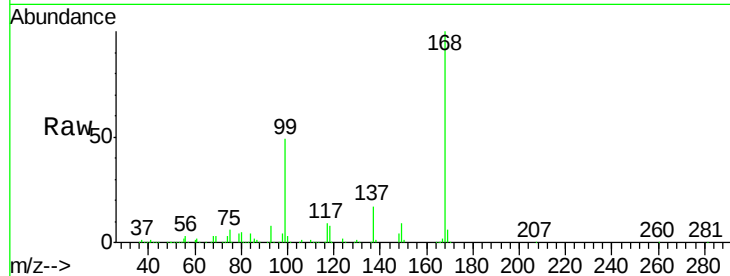
Tgt Ion: 75 Resp: 16325

Ion Ratio Lower Upper

75 100

110 10.1 19.3 57.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.90 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002826.D

Acq: 03 Jun 2020 12:29

Tgt Ion: 117 Resp: 23705

Ion Ratio Lower Upper

117 100

119 7.5 76.8 115.2#

121 0.0 24.8 37.2#

