

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
 Data File : VY000974.D
 Acq On : 17 Dec 2019 13:36
 Operator : SY/MD
 Sample : K6328-01
 Misc : 5.14G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OIL-SAMPLE-2-BG24

Quant Time: Dec 18 05:50:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	235305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	442204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	397221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	170217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	136812	54.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.44%		
35) Dibromofluoromethane	7.73	113	116070	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.08%		
50) Toluene-d8	10.18	98	529209	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.72%		
62) 4-Bromofluorobenzene	12.48	95	172263	44.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.04%		

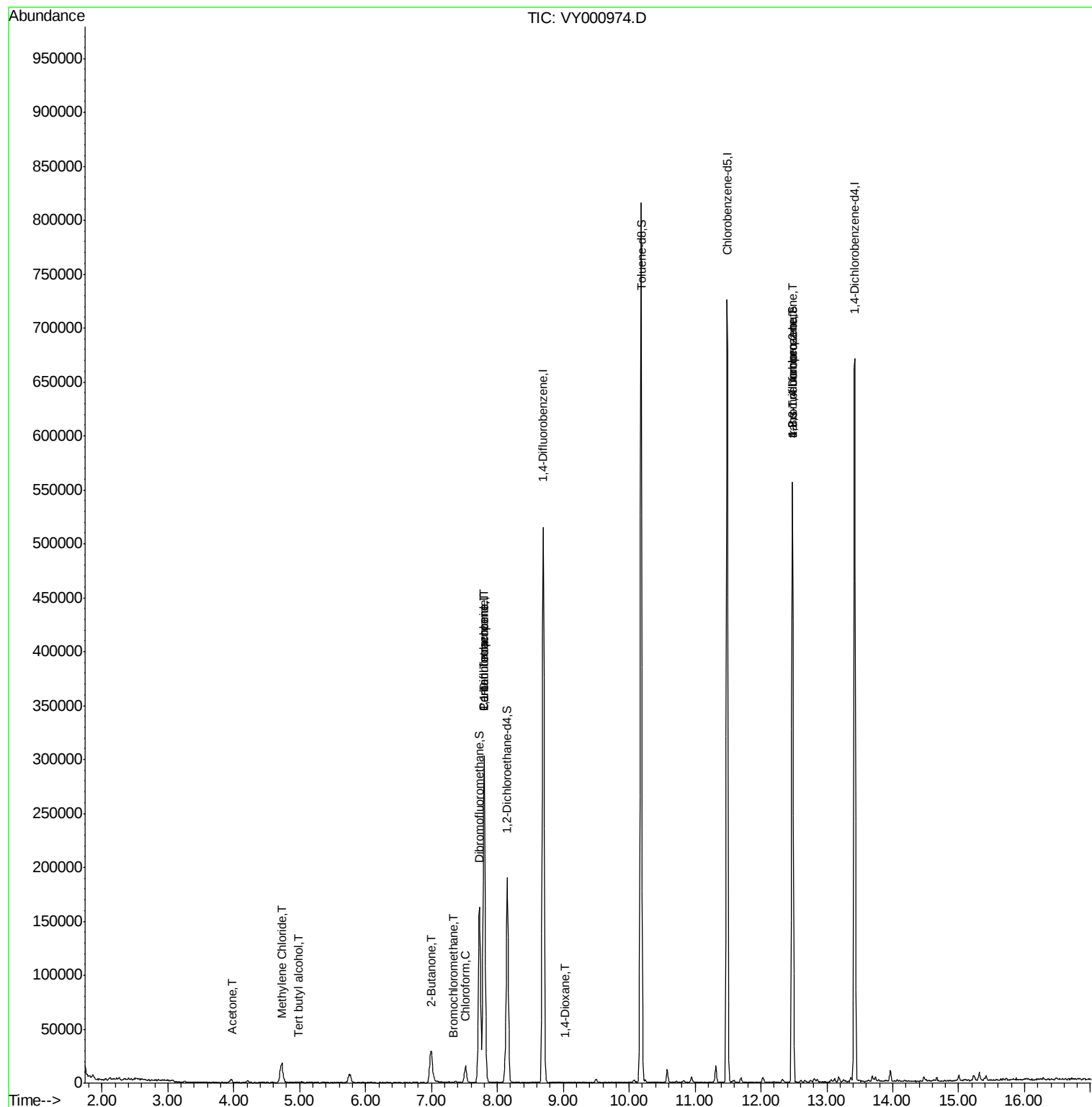
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	150	Below Cal	#	3
11) Tert butyl alcohol	4.98	59	521	2.071	ug/l #	74
16) Acetone	3.97	43	4654	8.114	ug/l #	76
20) Methylene Chloride	4.73	84	13613	4.503	ug/l	91
25) 2-Butanone	7.00	43	2335	2.204	ug/l	97
28) Bromochloromethane	7.33	49	58	2.046	ug/l #	15
30) Chloroform	7.52	83	14231	2.831	ug/l	91
36) 1,1-Dichloropropene	7.80	75	19979	4.544	ug/l #	51
38) Carbon Tetrachloride	7.80	117	23969	6.121	ug/l #	15
49) 1,4-Dioxane	9.03	88	56	2.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	88165	45.716	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88165	89.799	ug/l #	17

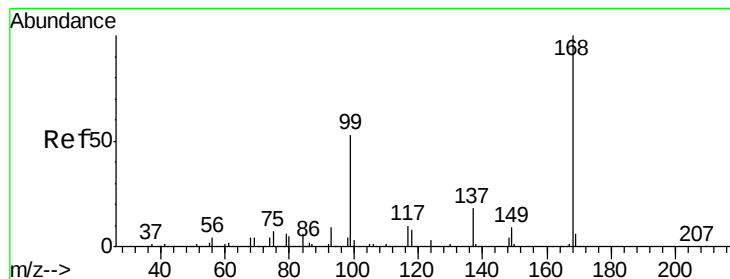
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

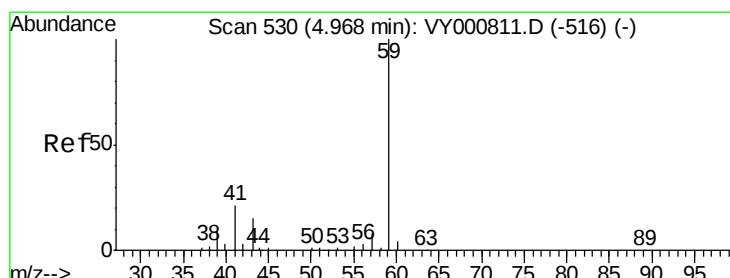
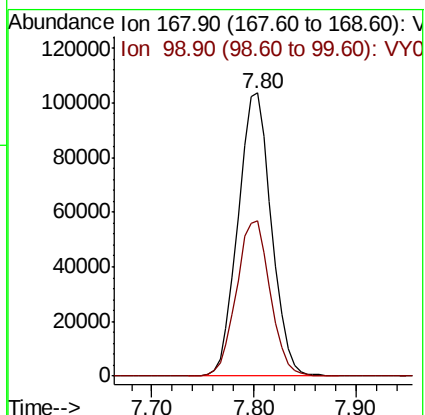
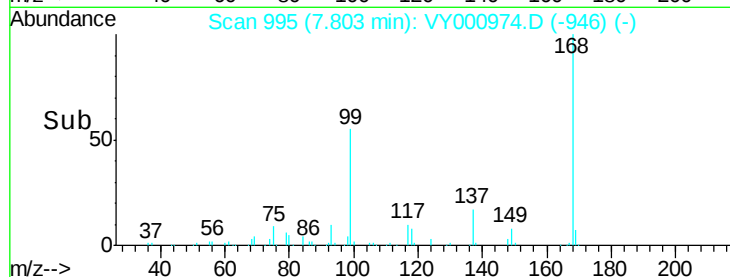
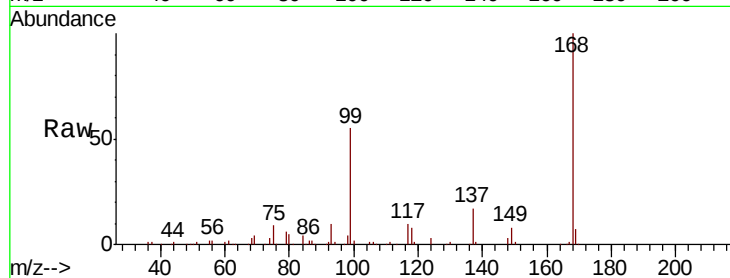
OIL-SAMPLE-2-BG24

Tgt Ion: 168 Resp: 235305

Ion Ratio Lower Upper

168 100

99 54.7 45.0 67.6



#11

Tert butyl alcohol

Concen: 2.071 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000974.D

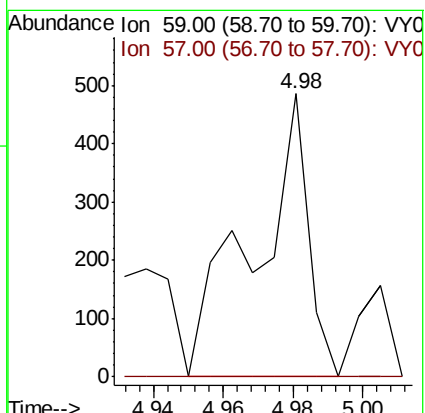
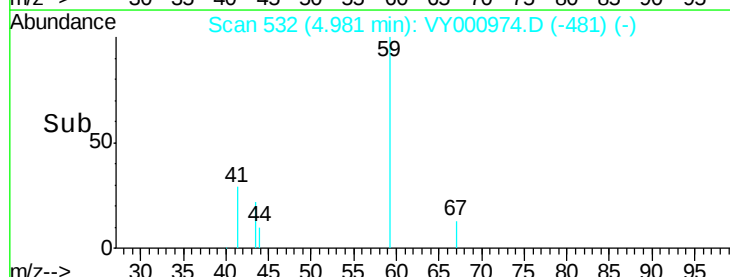
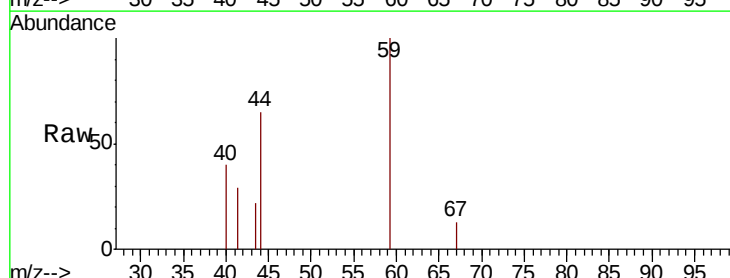
Acq: 17 Dec 2019 13:36

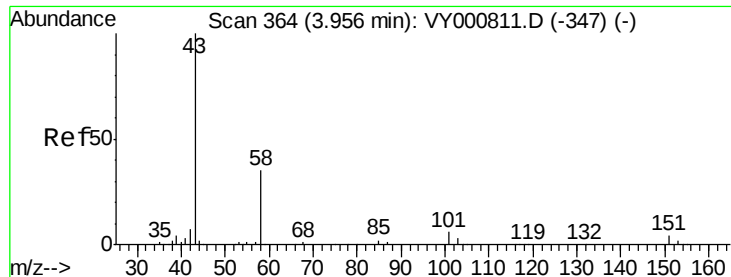
Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#16

Acetone

Concen: 8.114 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

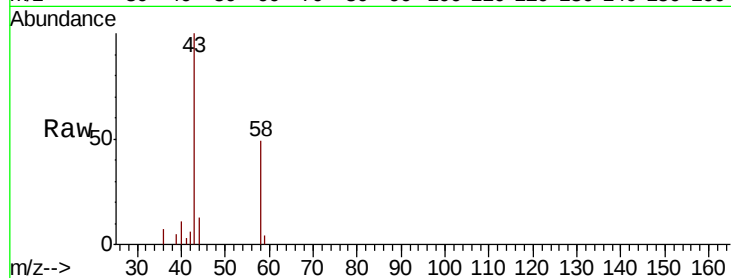
OIL-SAMPLE-2-BG24

Tgt Ion: 43 Resp: 4654

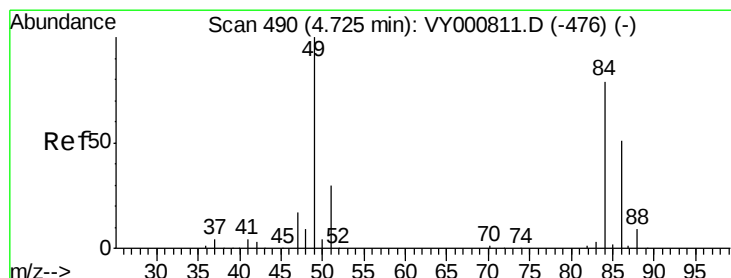
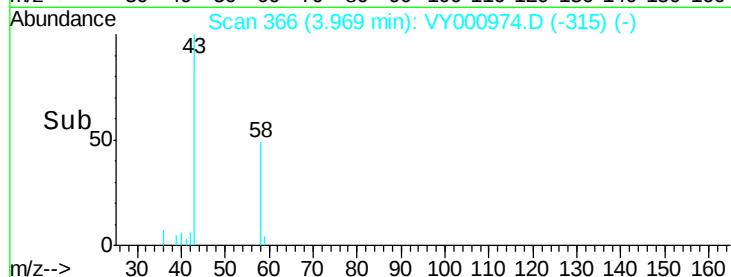
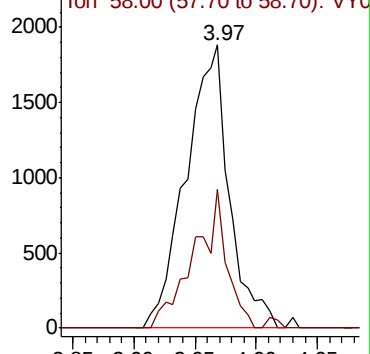
Ion Ratio Lower Upper

43 100

58 49.0 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000974.D (-315) (-)



#20

Methylene Chloride

Concen: 4.503 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Tgt Ion: 84 Resp: 13613

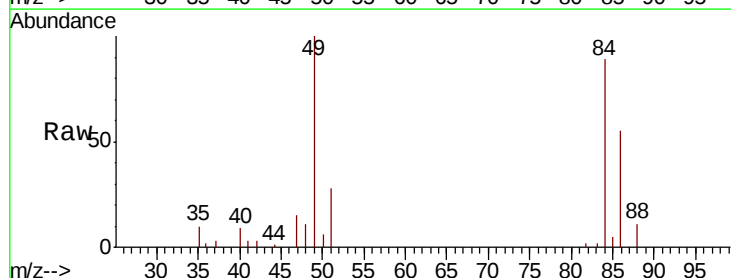
Ion Ratio Lower Upper

84 100

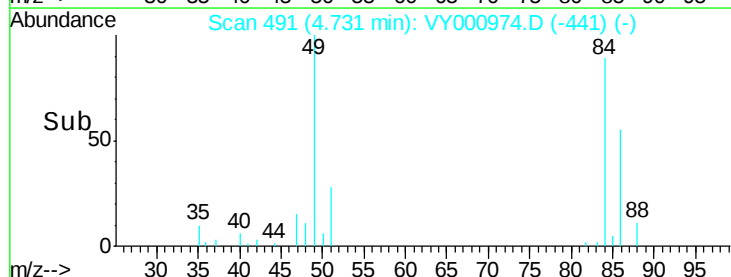
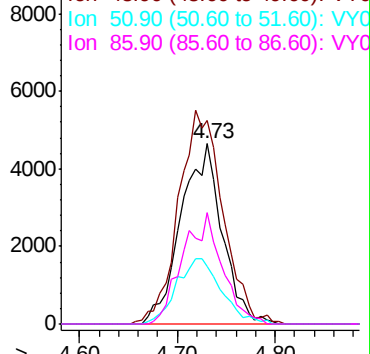
49 112.9 101.3 151.9

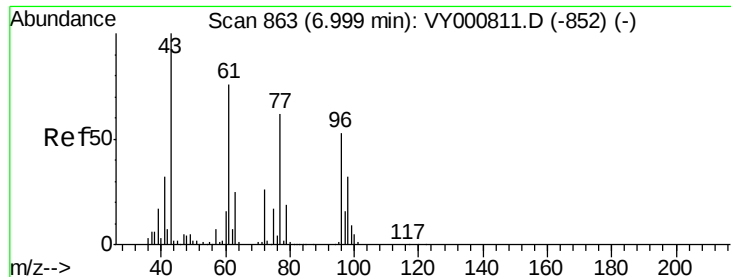
51 31.8 30.6 45.8

86 61.5 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000974.D (-441) (-)

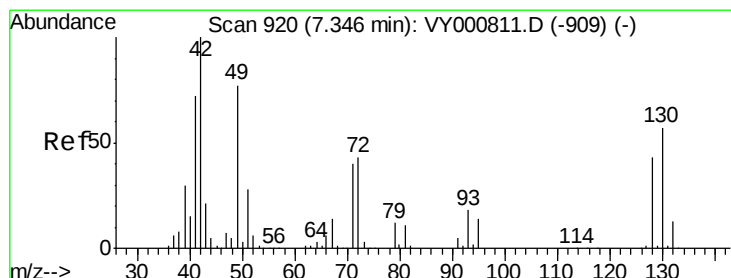
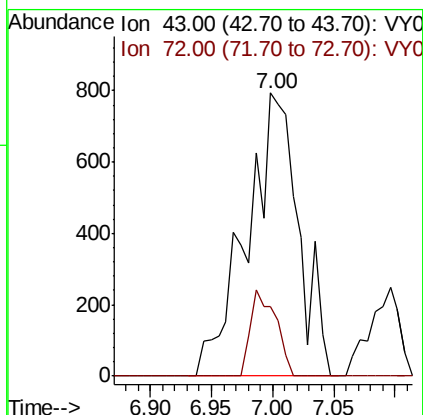
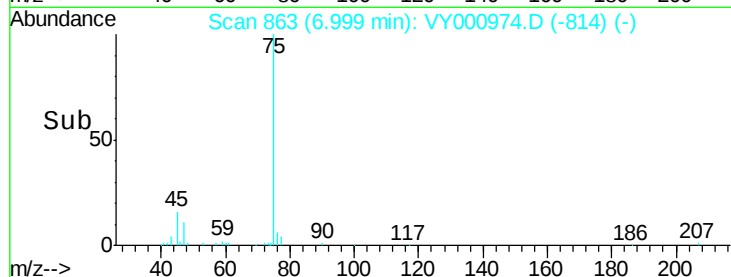
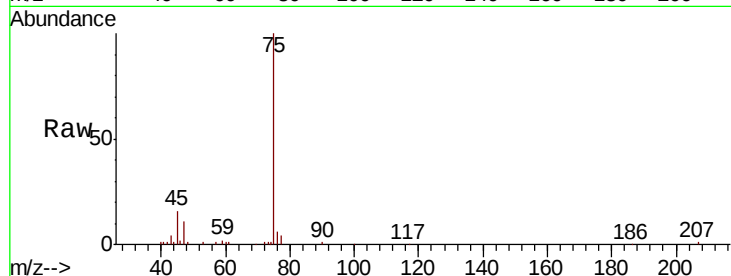




#25
2-Butanone
Concen: 2.204 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000974.D
Acq: 17 Dec 2019 13:36

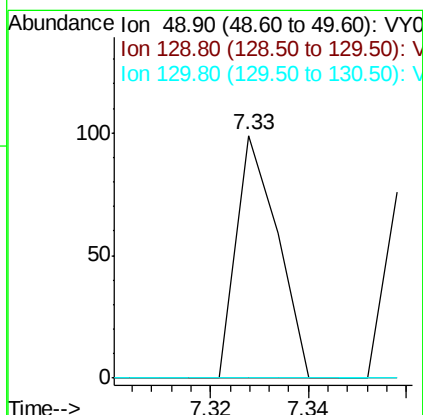
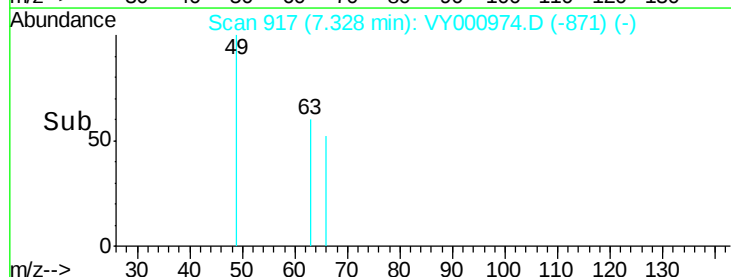
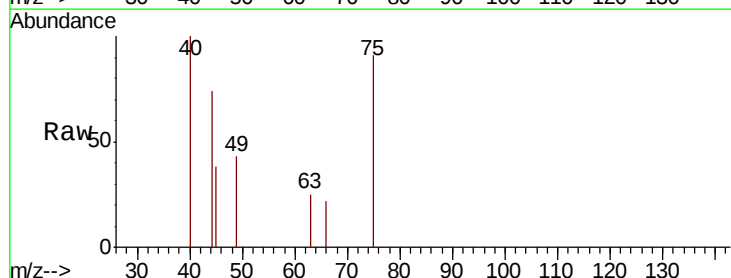
Instrument :
MSVOA_Y
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OIL-SAMPLE-2-BG24

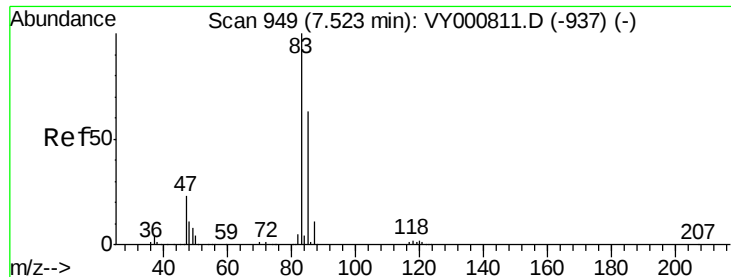
Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
72 24.5 21.0 31.4



#28
Bromochloromethane
Concen: 2.046 ug/l
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY000974.D
Acq: 17 Dec 2019 13:36

Tgt Ion: 49 Resp: 58
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#

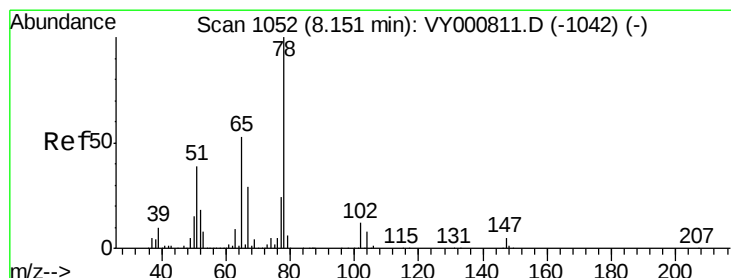
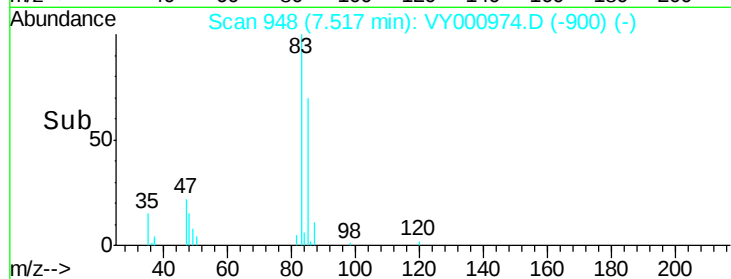
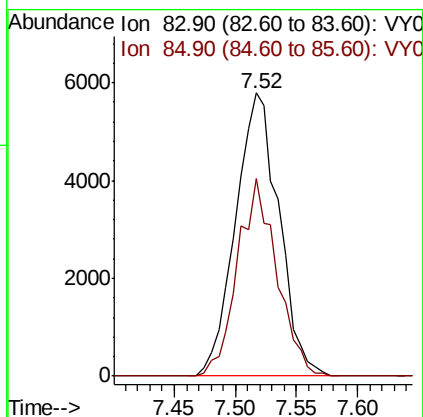
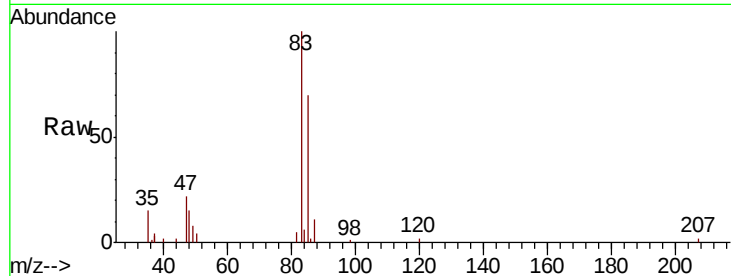




#30
Chloroform
Concen: 2.831 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000974.D
Acq: 17 Dec 2019 13:36

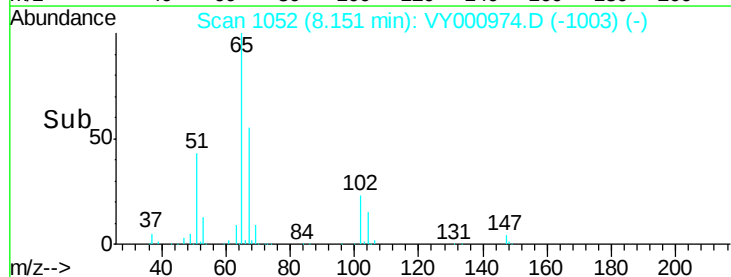
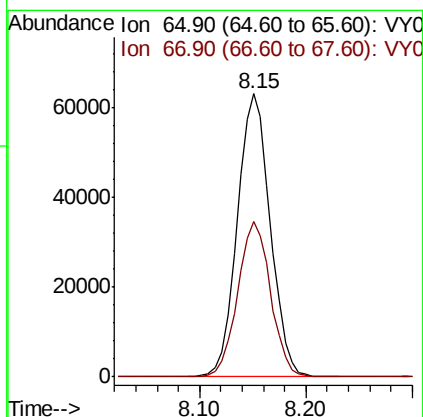
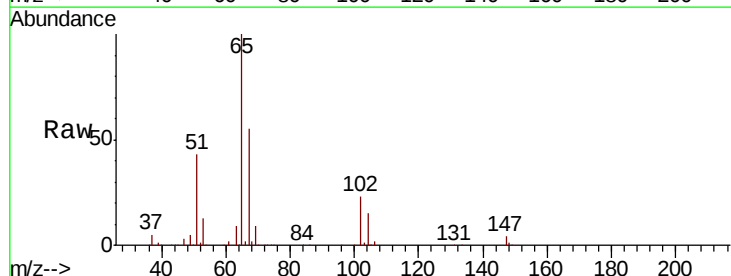
Instrument :
MSVOA_Y
ClientSampleId :
OIL-SAMPLE-2-BG24

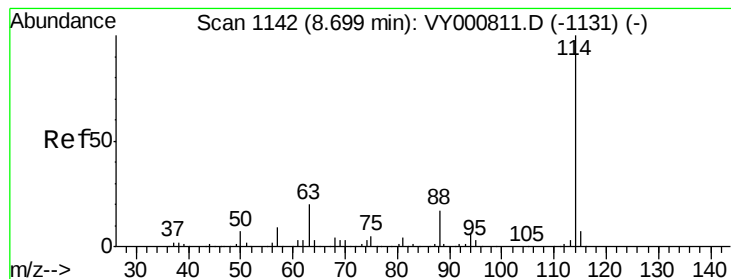
Tgt Ion: 83 Resp: 14231
Ion Ratio Lower Upper
83 100
85 69.9 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 54.718 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000974.D
Acq: 17 Dec 2019 13:36

Tgt Ion: 65 Resp: 136812
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OIL-SAMPLE-2-BG24

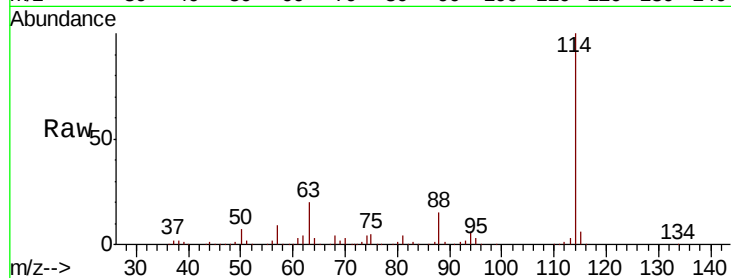
Tgt Ion:114 Resp: 442204

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

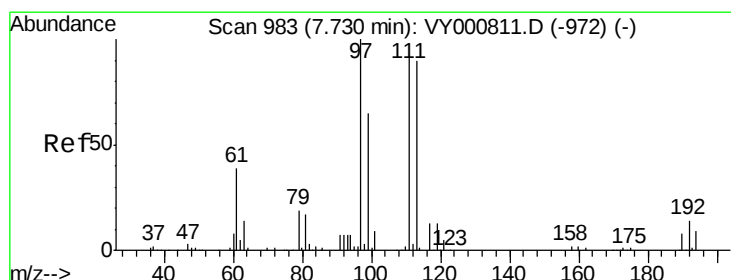
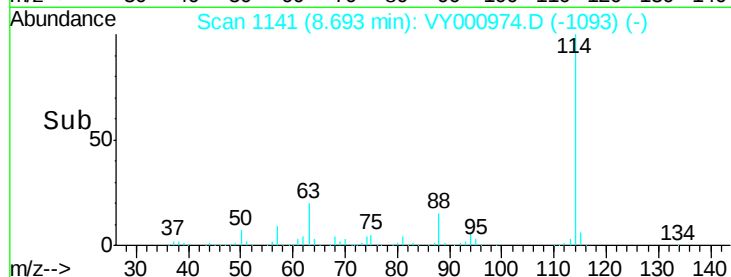
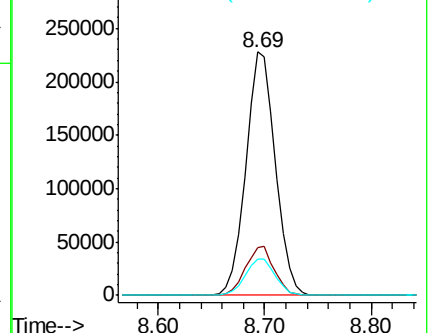
88 14.7 0.0 33.2



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: 45.038 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

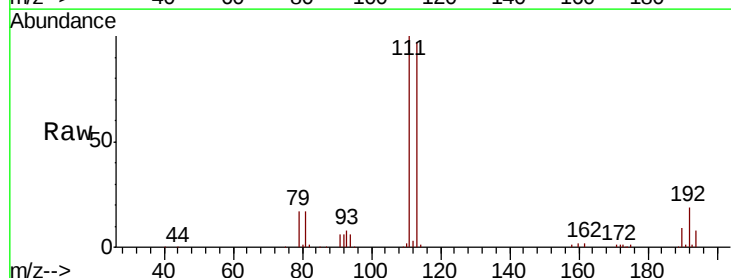
Tgt Ion:113 Resp: 116070

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

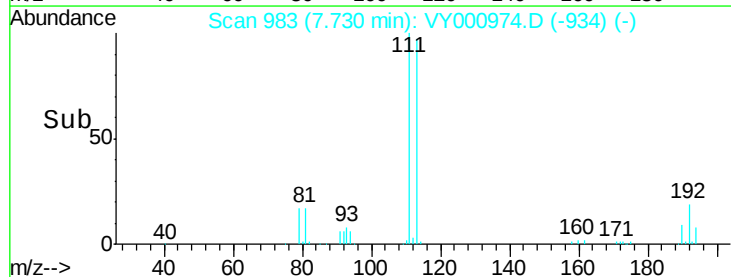
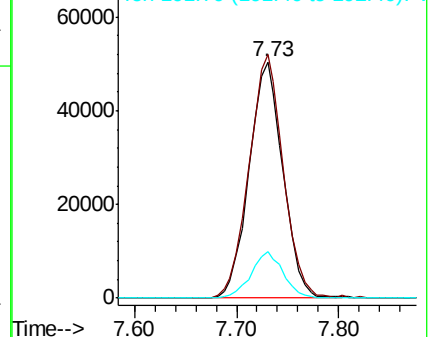
192 18.7 14.2 21.2

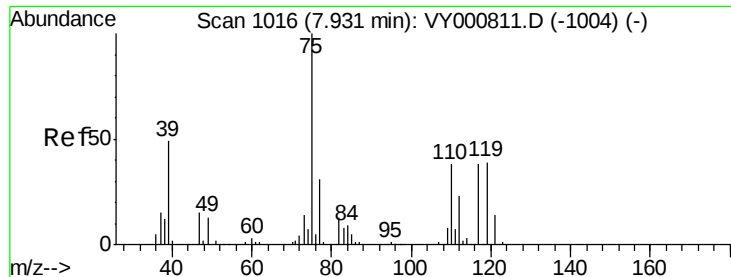


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

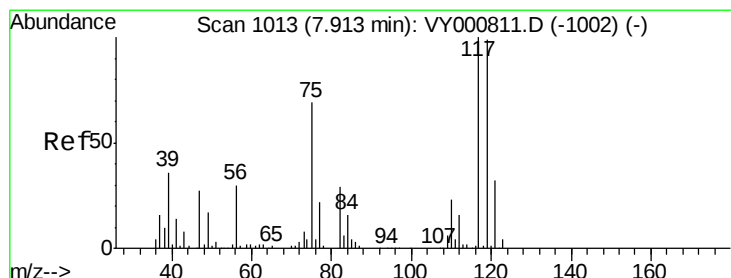
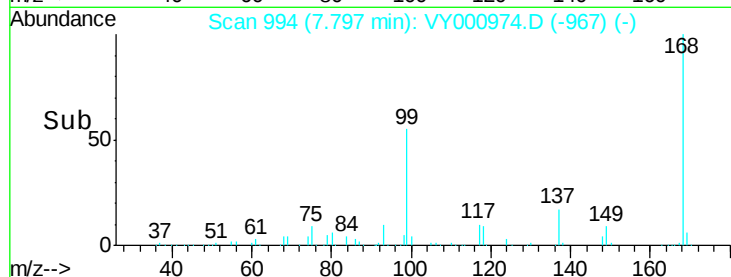
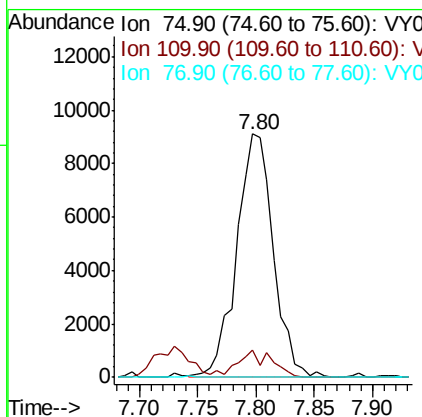
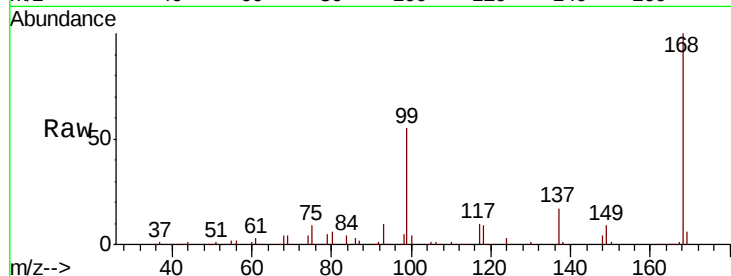




#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000974.D
 Acq: 17 Dec 2019 13:36

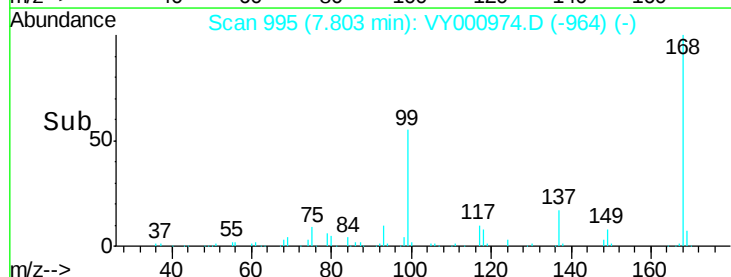
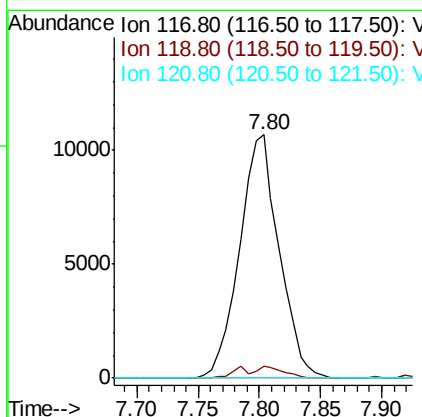
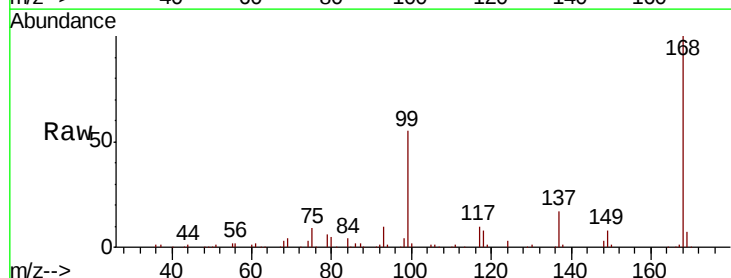
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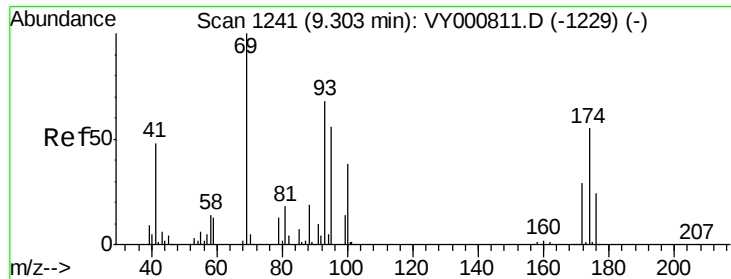
Tgt Ion: 75 Resp: 19979
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.121 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000974.D
 Acq: 17 Dec 2019 13:36

Tgt Ion: 117 Resp: 23969
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.3 118.9#
 121 0.0 25.5 38.3#

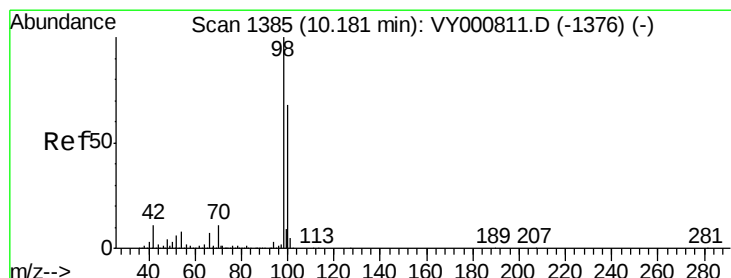
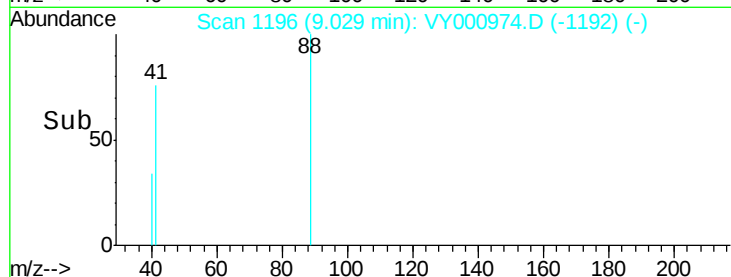
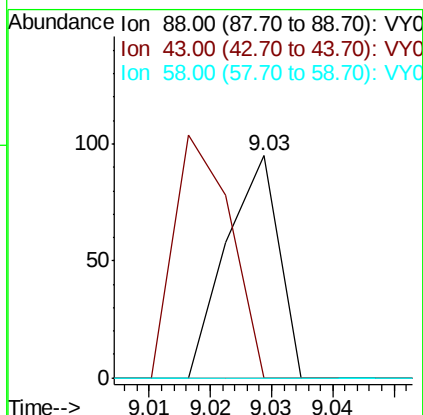
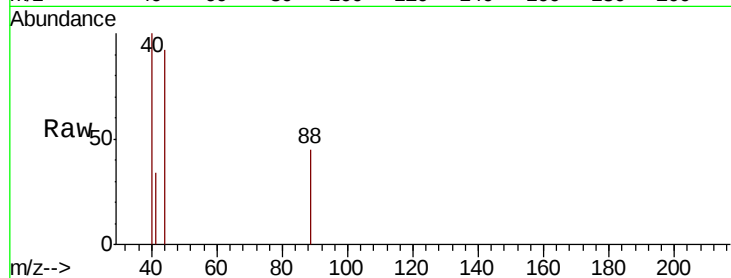




#49
1,4-Dioxane
Concen: 2.351 ug/l
RT: 9.03 min Scan# 1196
Delta R.T. -0.27 min
Lab File: VY000974.D
Acq: 17 Dec 2019 13:36

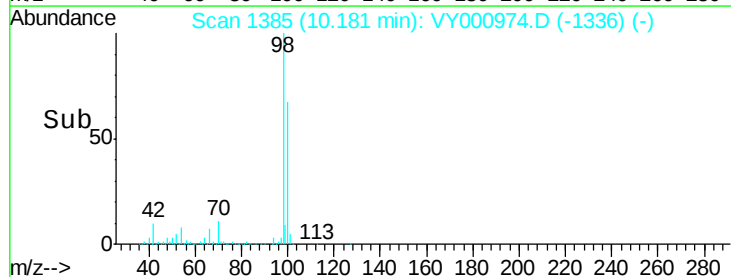
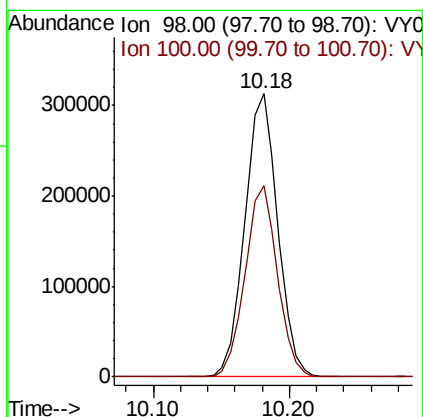
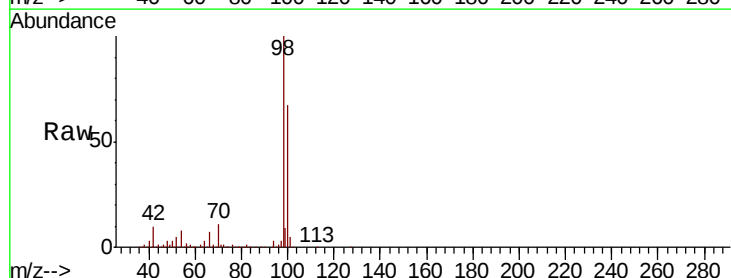
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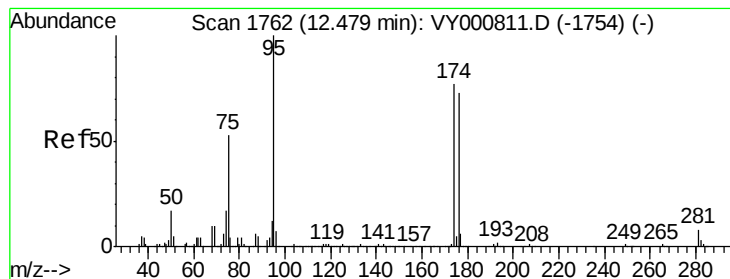
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 119.6 21.1 31.7#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 51.363 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000974.D
Acq: 17 Dec 2019 13:36

Tgt Ion: 98 Resp: 529209
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 44.519 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OIL-SAMPLE-2-BG24

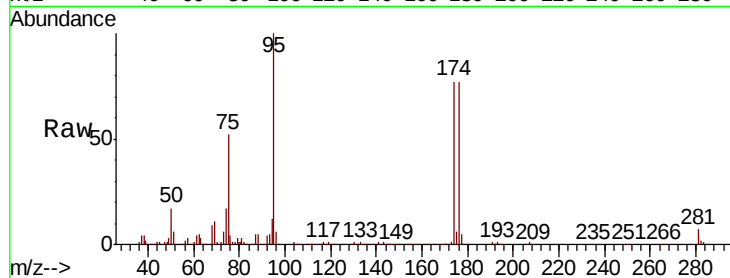
Tgt Ion: 95 Resp: 172263

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.6

176 74.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY000974.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY000974.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000974.D (-1713) (-)

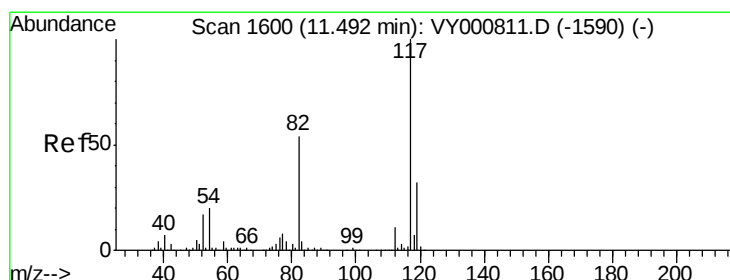
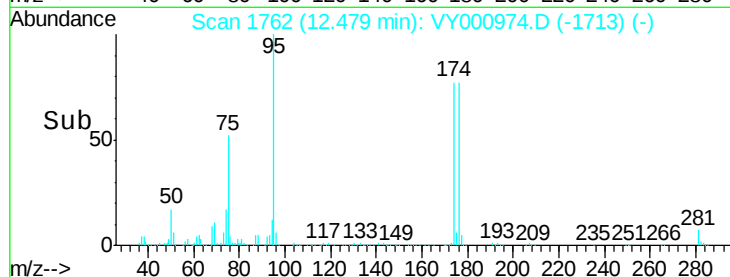
12.48

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

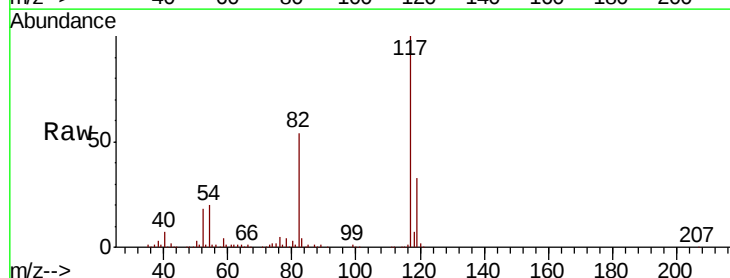
Tgt Ion: 117 Resp: 397221

Ion Ratio Lower Upper

117 100

82 53.9 43.1 64.7

119 32.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VY000974.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000974.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000974.D (-1551) (-)

11.49

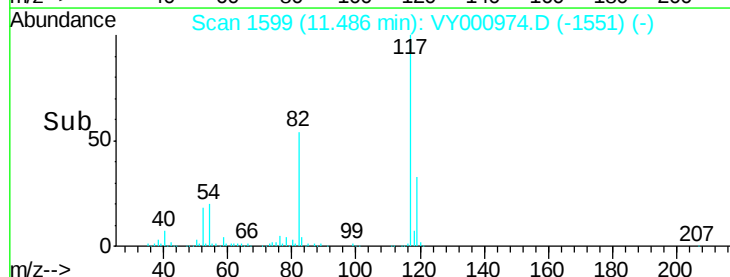
300000

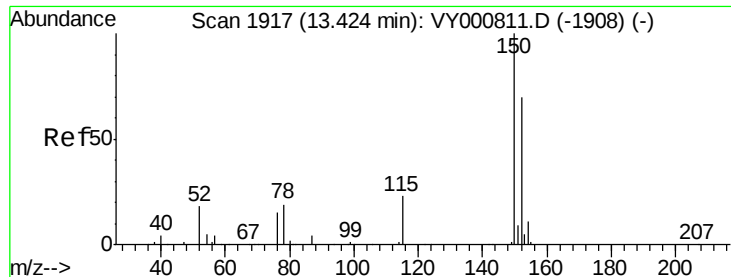
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OIL-SAMPLE-2-BG24

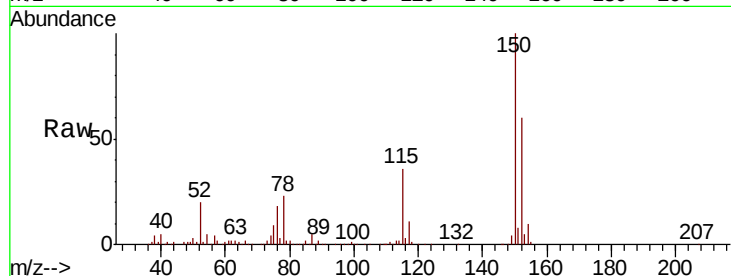
Tgt Ion:152 Resp: 170217

Ion Ratio Lower Upper

152 100

115 59.1 29.3 87.8

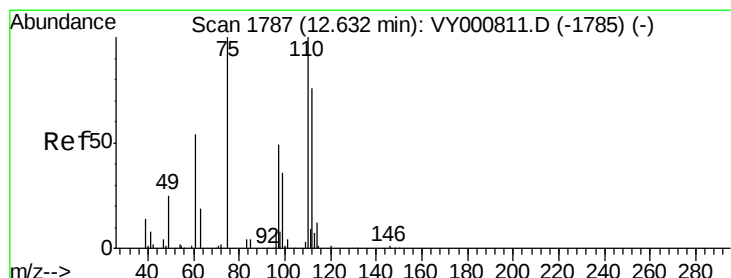
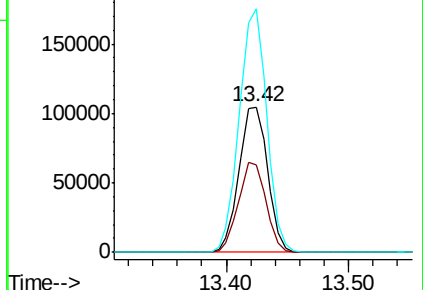
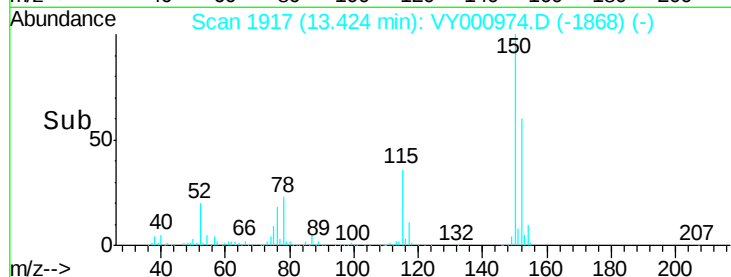
150 160.2 0.0 351.2



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: 45.716 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000974.D

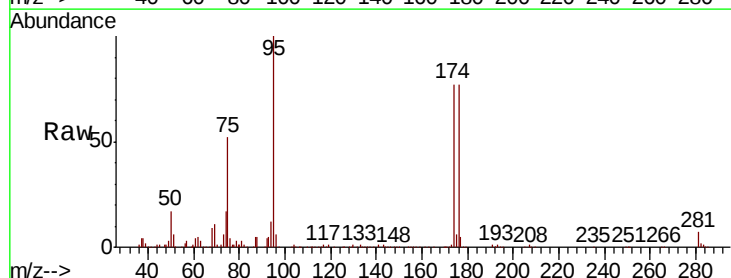
Acq: 17 Dec 2019 13:36

Tgt Ion: 75 Resp: 88165

Ion Ratio Lower Upper

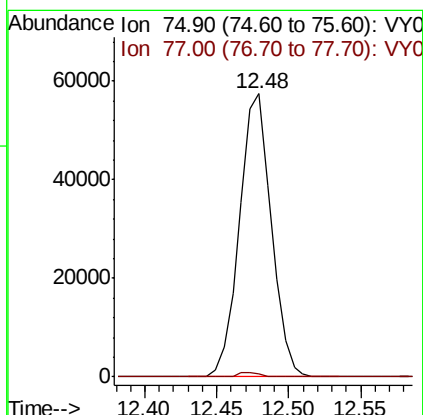
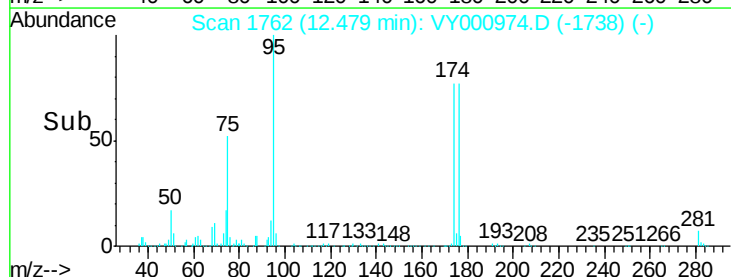
75 100

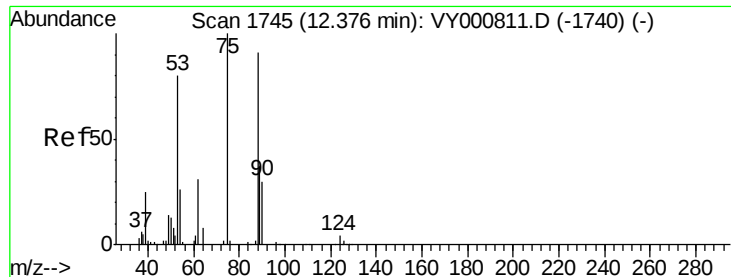
77 1.0 0.0 0.0#



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: 89.799 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000974.D

Acq: 17 Dec 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OIL-SAMPLE-2-BG24

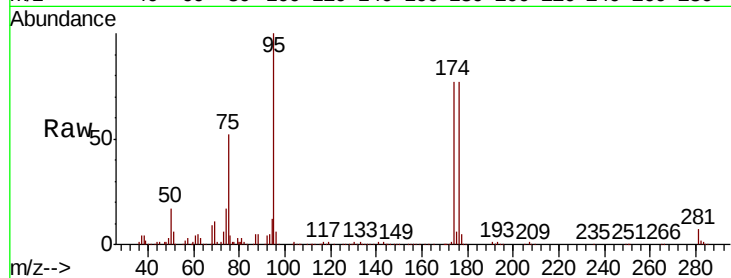
Tgt Ion: 75 Resp: 88165

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 33.6 50.4#



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

