

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015083.D
 Acq On : 14 Aug 2023 16:47
 Operator : SY/MD
 Sample : 03941-03
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DEAN-OILY-STONE

Quant Time: Aug 15 02:22:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

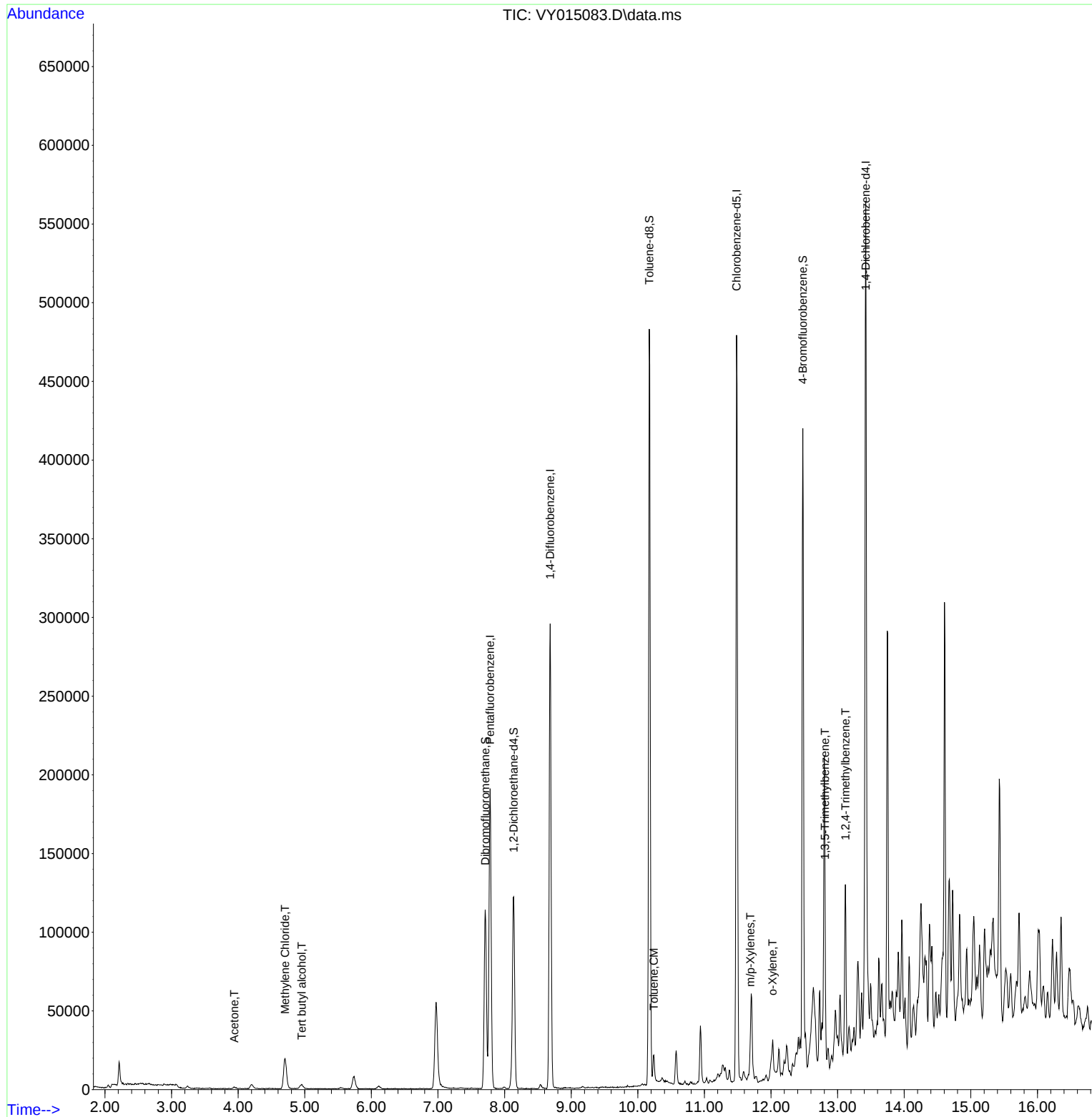
Internal Standards						
1) Pentafluorobenzene	7.783	168	146644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	253443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	252687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	96432	54.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.560%	
35) Dibromofluoromethane	7.710	113	81102	49.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.480%	
50) Toluene-d8	10.173	98	308704	50.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	12.477	95	118693	53.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	5326	2.327	ug/l #	78
16) Acetone	3.942	43	2040	3.547	ug/l	90
20) Methylene Chloride	4.704	84	15138	7.288	ug/l	93
52) Toluene	10.240	92	6809	1.894	ug/l	99
68) m/p-Xylenes	11.691	106	6824	2.227	ug/l	100
69) o-Xylene	12.026	106	5103	1.672	ug/l	88
80) 1,3,5-Trimethylbenzene	12.812	105	13835	1.998	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	58997	8.528	ug/l	99

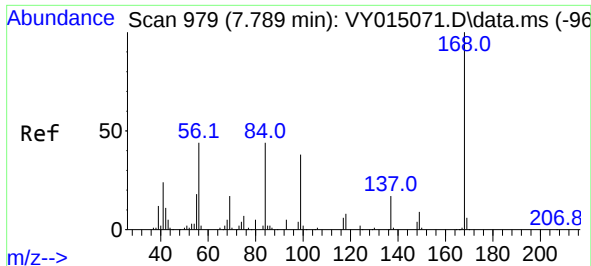
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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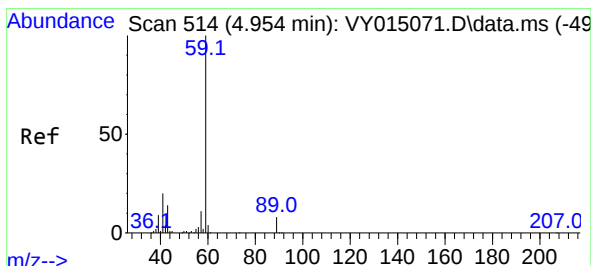
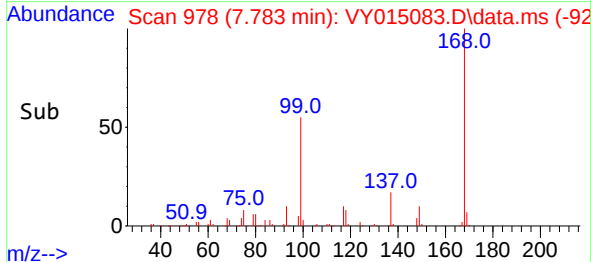
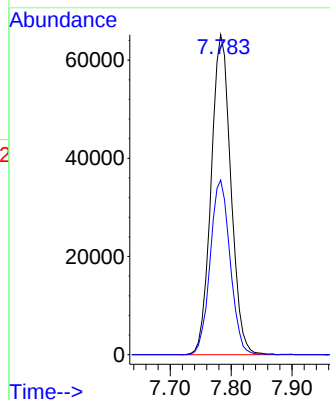
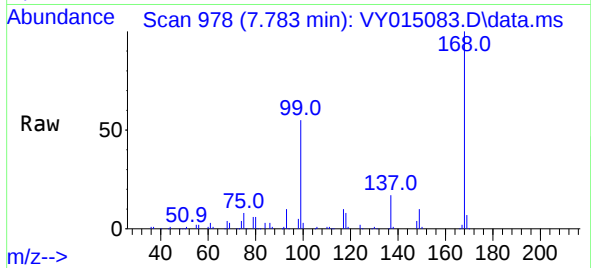




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

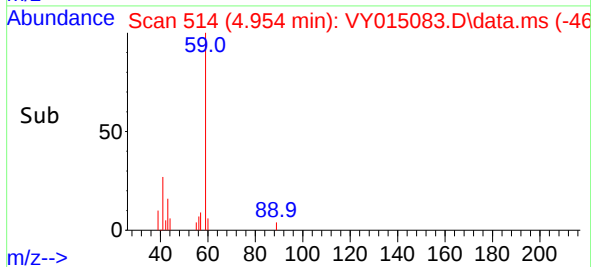
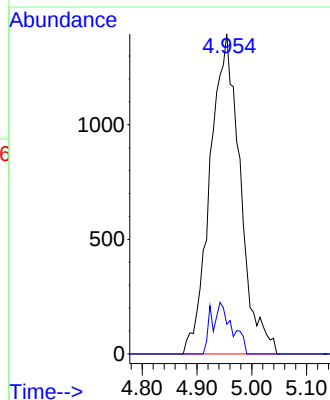
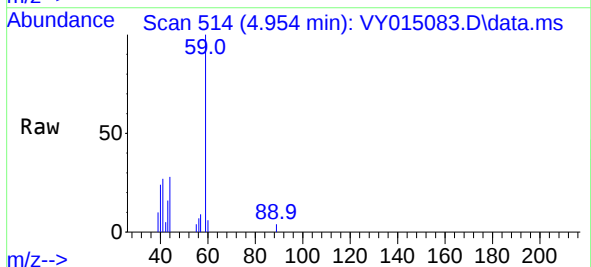
Instrument :
MSVOA_Y
ClientSampleId :
DEAN-OILY-STONE

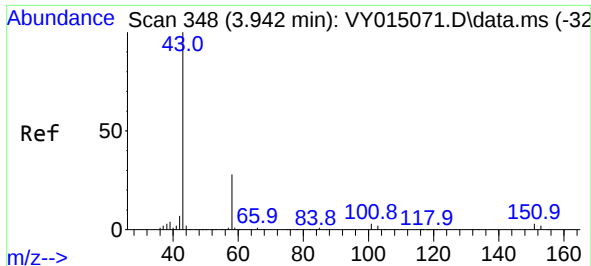
Tgt Ion:168 Resp: 146644
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.327 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion: 59 Resp: 5326
Ion Ratio Lower Upper
59 100
57 10.9 3.0 4.4#

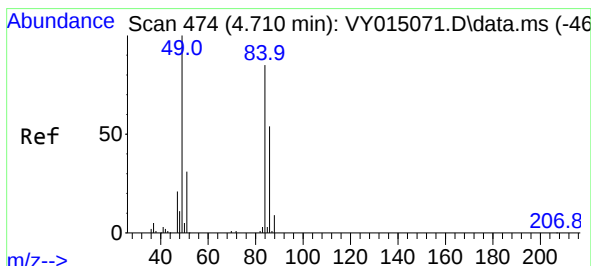
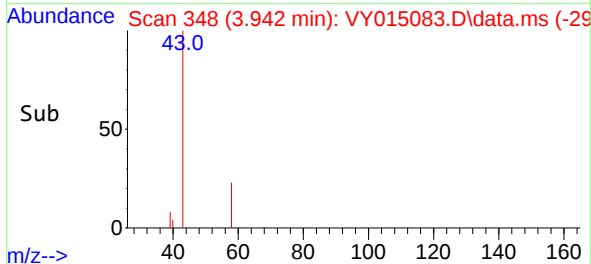
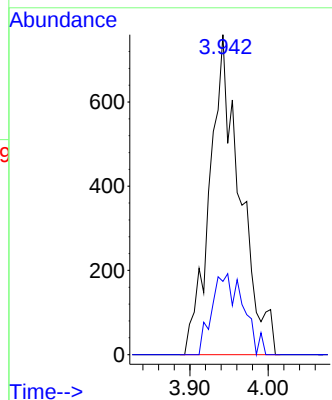
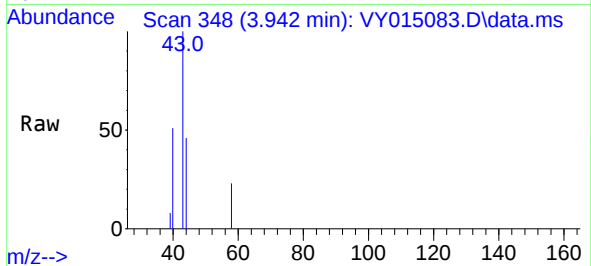




#16
Acetone
Concen: 3.547 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

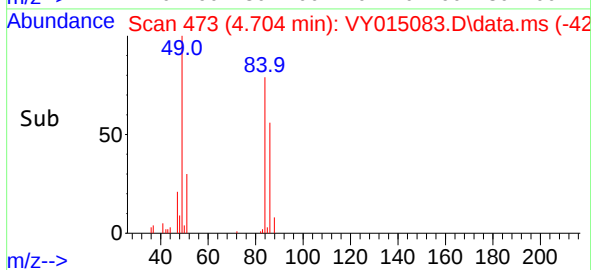
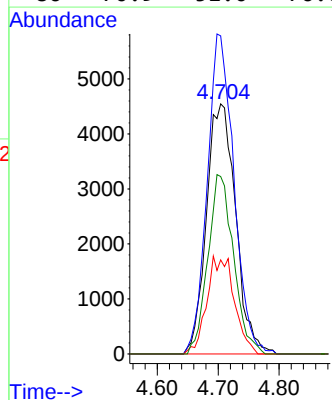
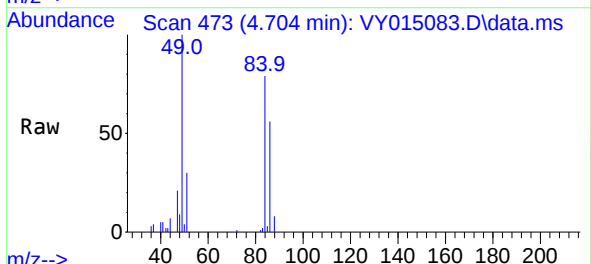
Instrument :
MSVOA_Y
ClientSampleId :
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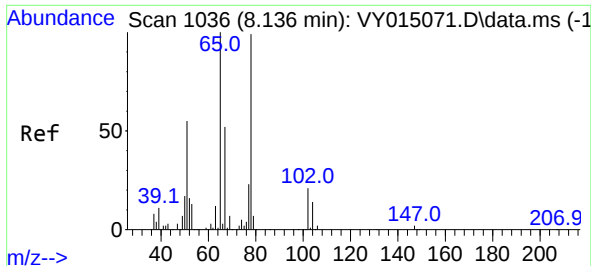
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
58 22.9 22.7 34.1



#20
Methylene Chloride
Concen: 7.288 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion: 84 Resp: 15138
Ion Ratio Lower Upper
84 100
49 127.2 106.9 160.3
51 37.6 33.2 49.8
86 70.9 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 54.781 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015083.D

Acq: 14 Aug 2023 16:47

Instrument :

MSVOA_Y

ClientSampleId :

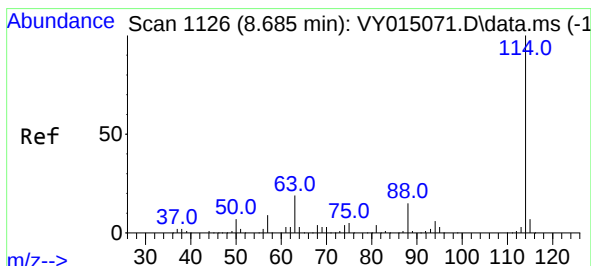
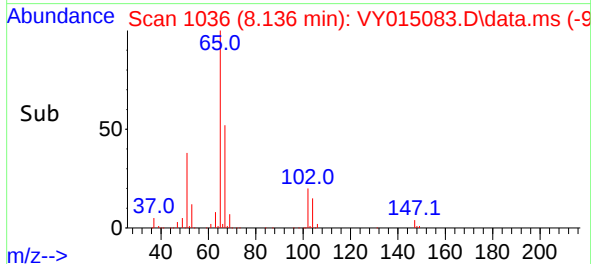
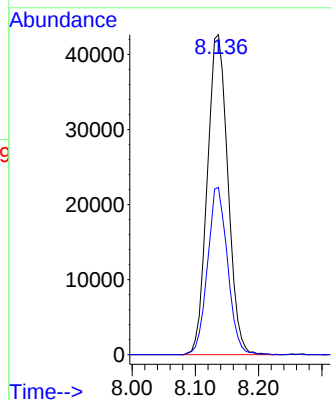
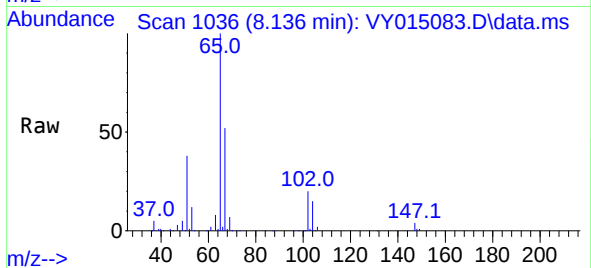
DEAN-OILY-STONE

Tgt Ion: 65 Resp: 96432

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015083.D

Acq: 14 Aug 2023 16:47

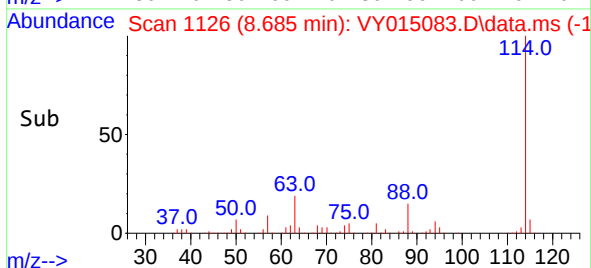
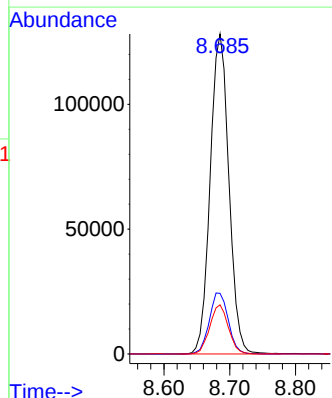
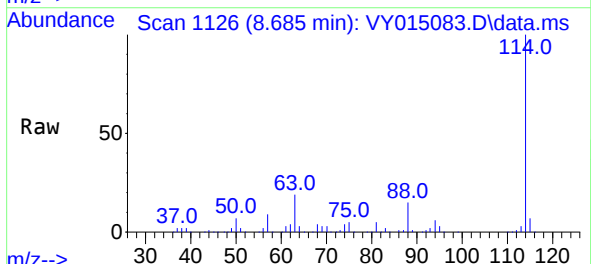
Tgt Ion: 114 Resp: 253443

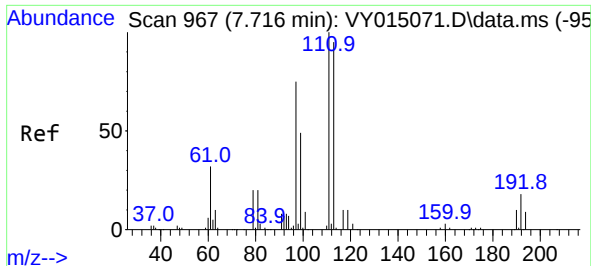
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.3 0.0 30.6

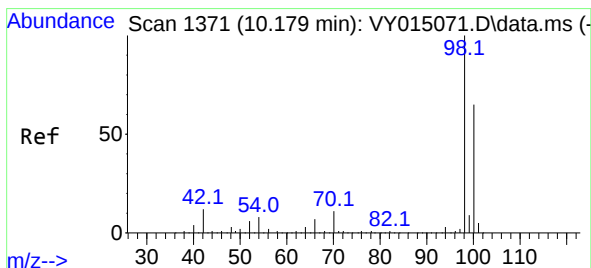
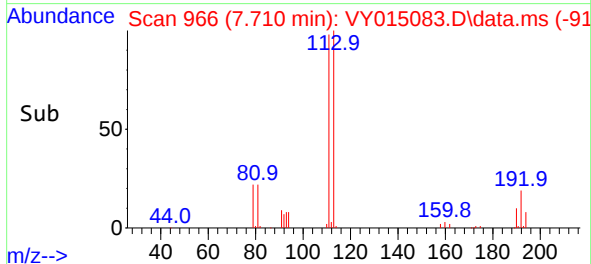
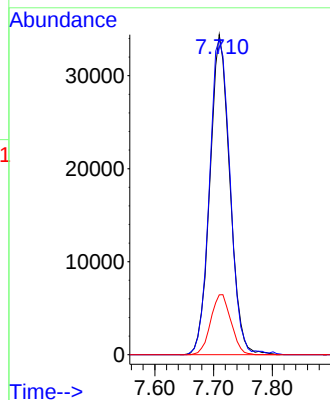
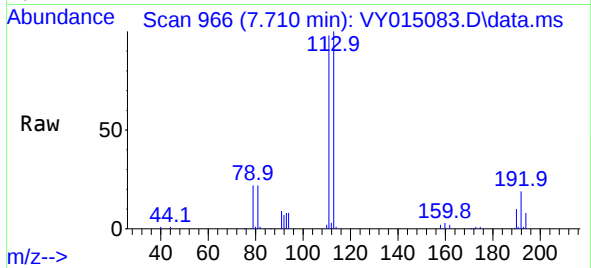




#35
Dibromofluoromethane
Concen: 49.741 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

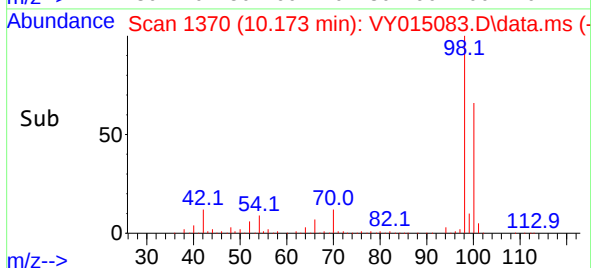
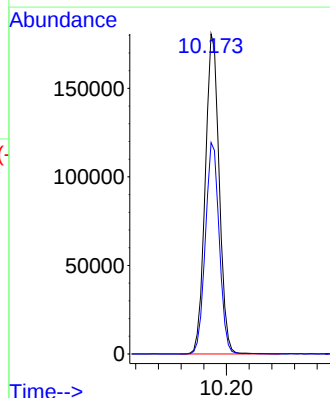
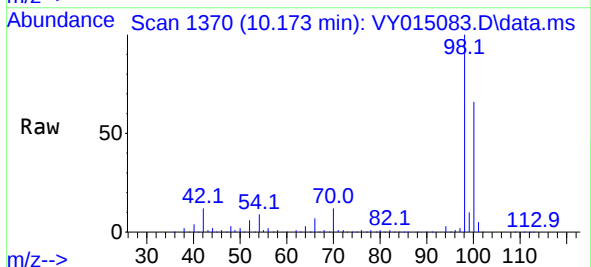
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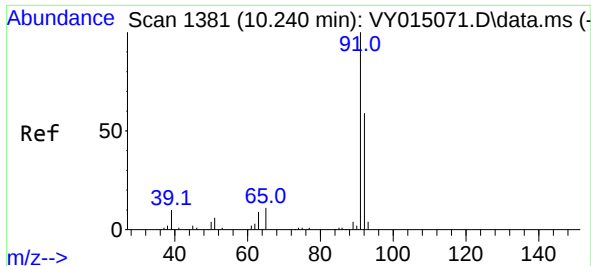
Tgt Ion:113 Resp: 81102
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.0 16.9 25.3



#50
Toluene-d8
Concen: 50.861 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion: 98 Resp: 308704
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

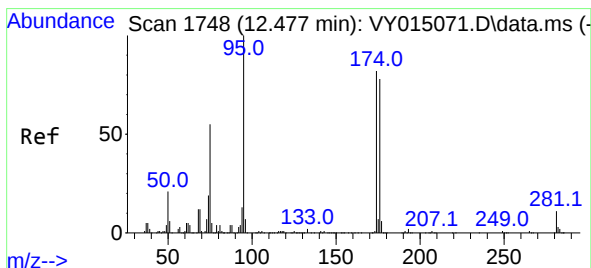
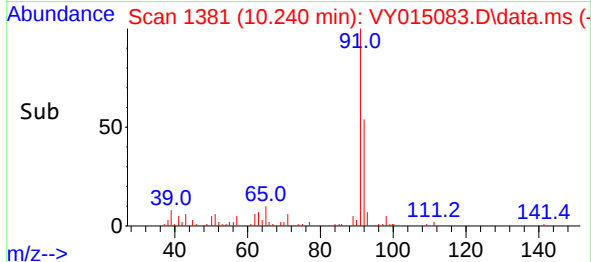
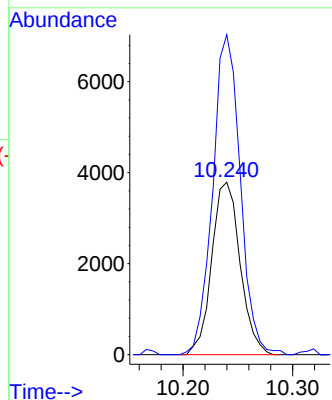
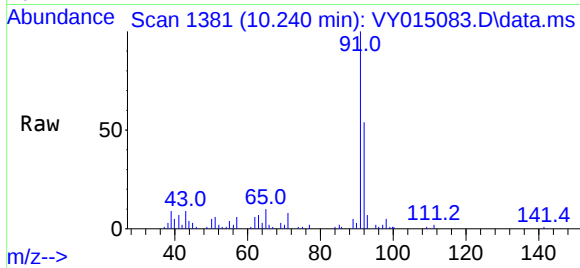




#52
Toluene
Concen: 1.894 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

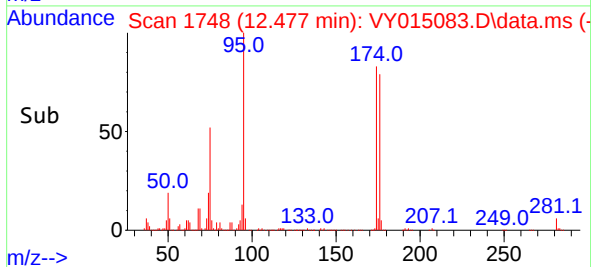
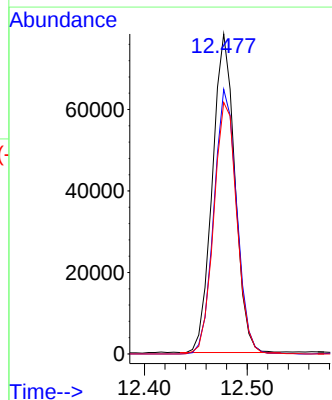
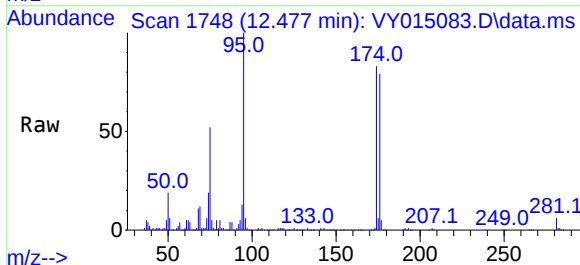
Instrument :
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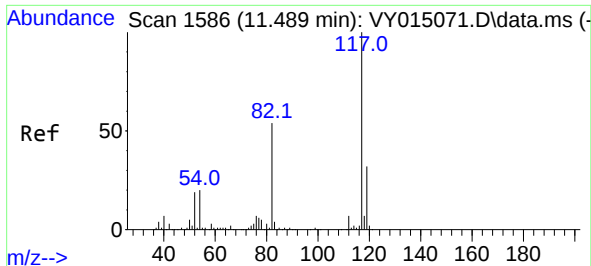
Tgt Ion: 92 Resp: 6809
Ion Ratio Lower Upper
92 100
91 180.7 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 53.540 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion: 95 Resp: 118693
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.1 0.0 173.8

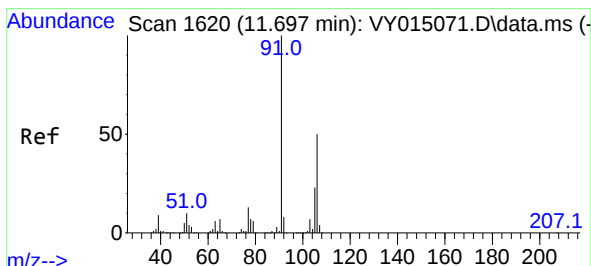
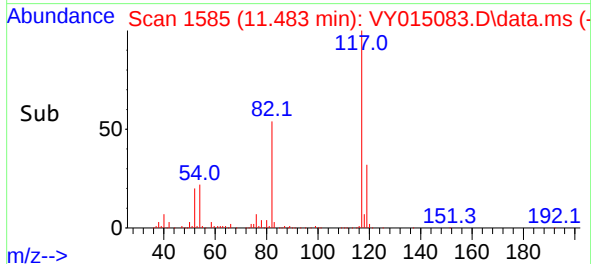
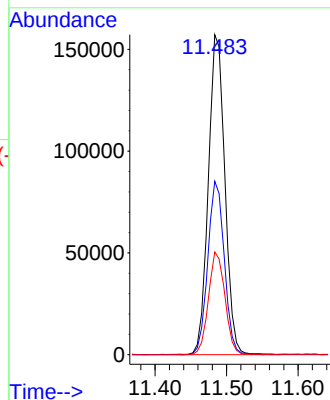
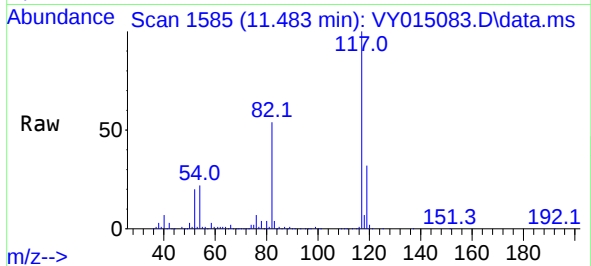




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

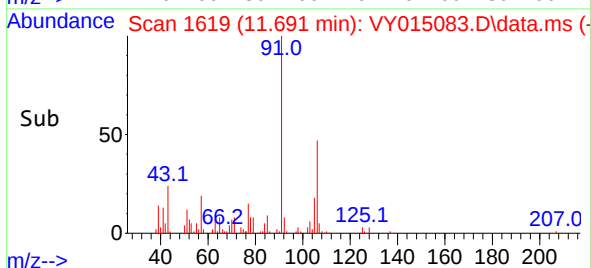
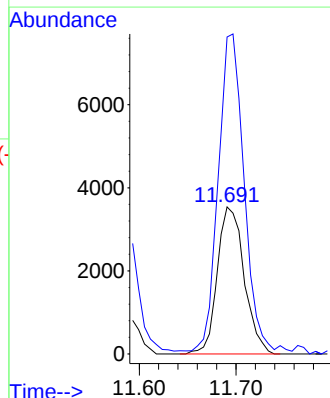
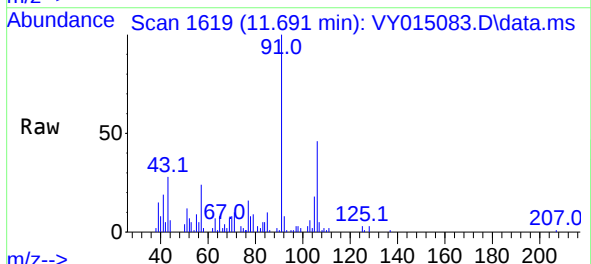
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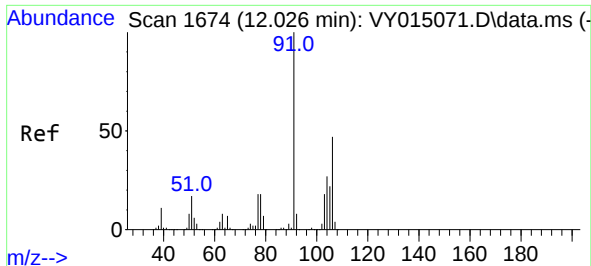
Tgt Ion:117 Resp: 252687
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.1 26.3 39.5



#68
m/p-Xylenes
Concen: 2.227 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion:106 Resp: 6824
Ion Ratio Lower Upper
106 100
91 207.2 166.1 249.1

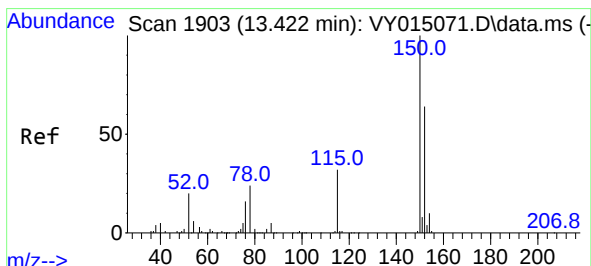
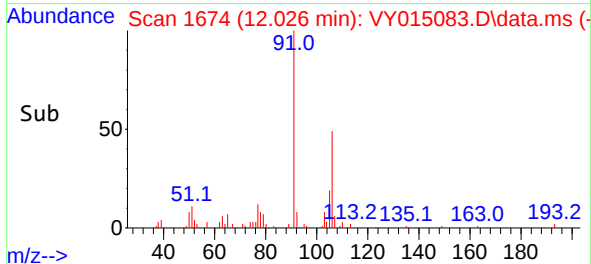
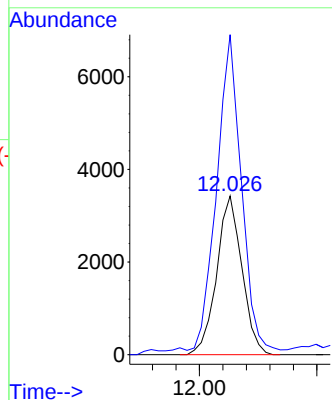
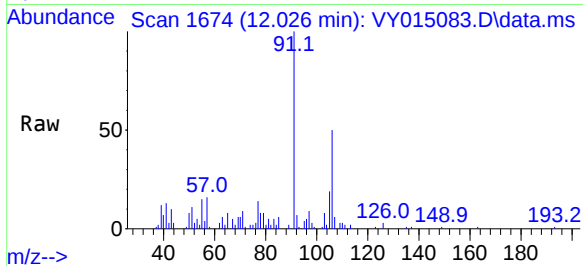




#69
o-Xylene
Concen: 1.672 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

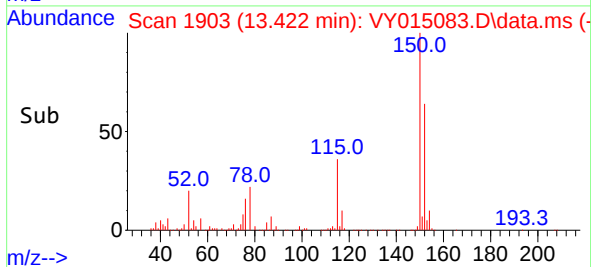
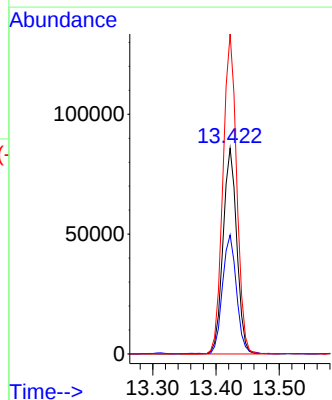
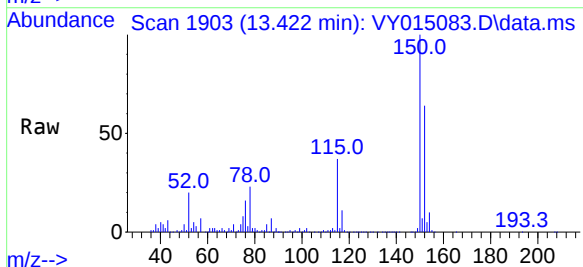
Instrument :
MSVOA_Y
ClientSampleId :
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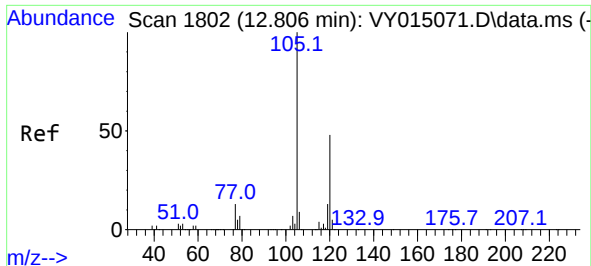
Tgt Ion:106 Resp: 5103
Ion Ratio Lower Upper
106 100
91 197.6 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion:152 Resp: 129167
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 155.4 0.0 348.8

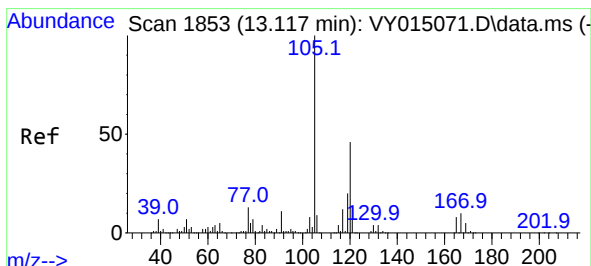
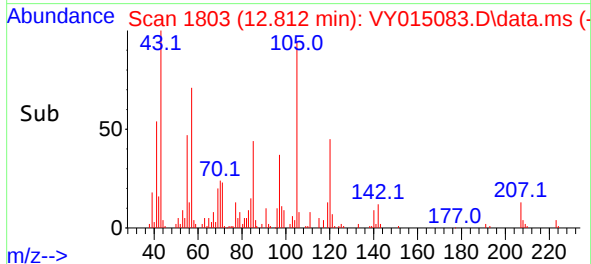
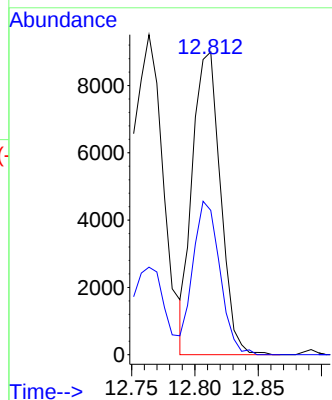
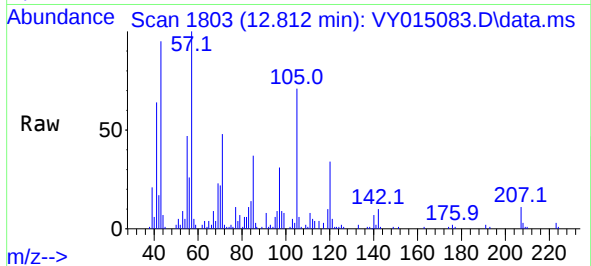




#80
1,3,5-Trimethylbenzene
Concen: 1.998 ug/l
RT: 12.812 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Instrument :
MSVOA_Y
ClientSampleId :
DEAN-OILY-STONE

Tgt Ion:105 Resp: 13835
Ion Ratio Lower Upper
105 100
120 48.7 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 8.528 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015083.D
Acq: 14 Aug 2023 16:47

Tgt Ion:105 Resp: 58997
Ion Ratio Lower Upper
105 100
120 44.8 22.2 66.6

