

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060524\
 Data File : VX041741.D
 Acq On : 05 Jun 2024 11:45
 Operator : JC/MD
 Sample : P2691-01 100X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DIESEL-1

Quant Time: Jun 06 02:11:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

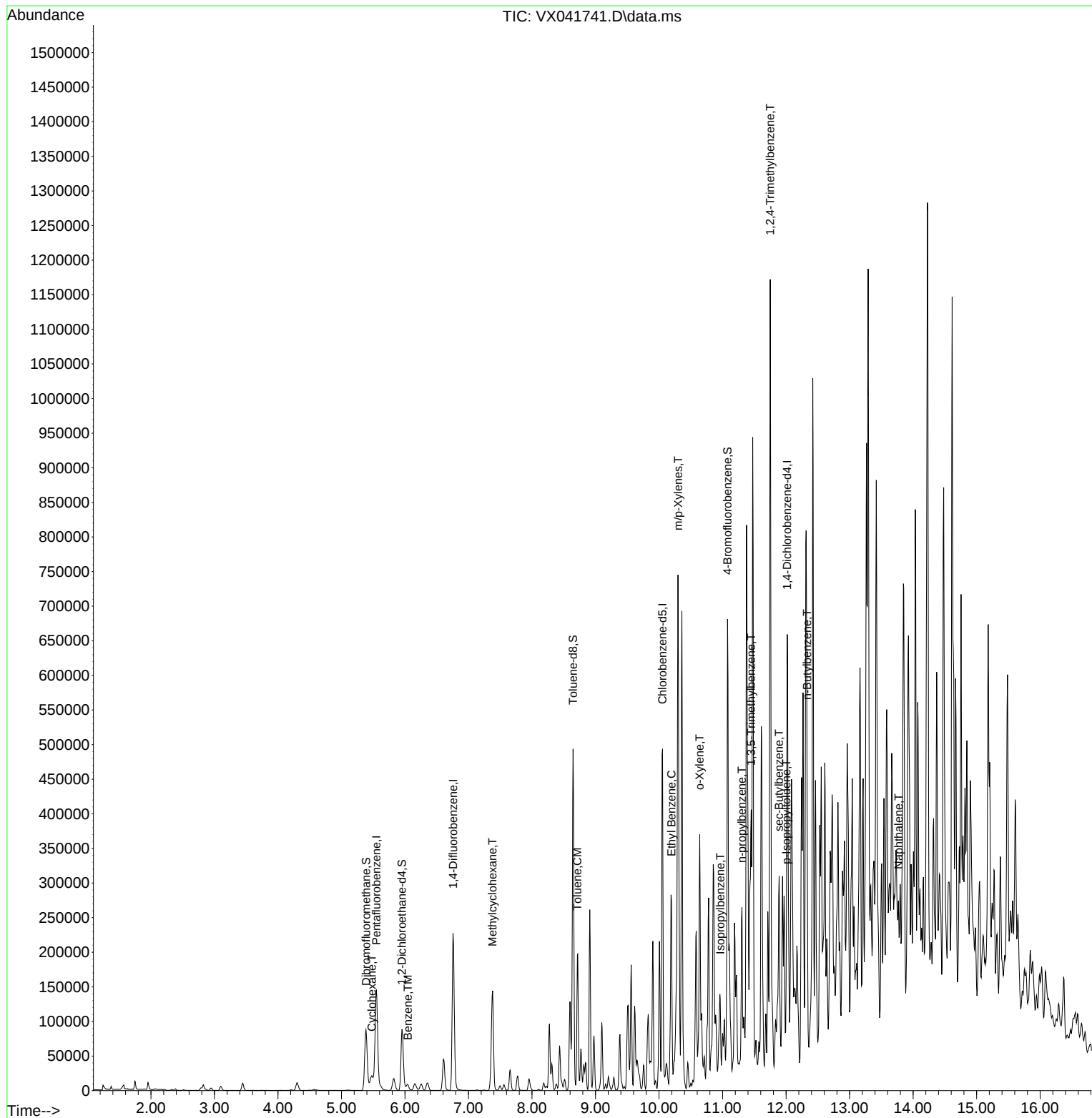
Internal Standards						
1) Pentafluorobenzene	5.550	168	153092	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	236042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88287	47.021	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.040%
35) Dibromofluoromethane	5.385	113	75898	46.507	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.020%
50) Toluene-d8	8.647	98	282631	49.564	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.120%
62) 4-Bromofluorobenzene	11.079	95	112012	53.222	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.440%
Target Compounds						
						Qvalue
31) Cyclohexane	5.477	56	14558	6.567	ug/l	94
39) Methylcyclohexane	7.379	83	63501	26.157	ug/l	97
40) Benzene	6.044	78	10292	1.666	ug/l	99
52) Toluene	8.714	92	76808	19.595	ug/l	97
67) Ethyl Benzene	10.195	91	135493	16.800	ug/l	98
68) m/p-Xylenes	10.299	106	159966	49.858	ug/l	94
69) o-Xylene	10.640	106	75698	23.717	ug/l	95
73) Isopropylbenzene	10.963	105	50594	6.508	ug/l	98
78) n-propylbenzene	11.305	91	148520	17.397	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	125827	19.384	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	450343	68.476	ug/l	93
85) sec-Butylbenzene	11.890	105	77574	9.677	ug/l	85
86) p-Isopropyltoluene	12.006	119	41102	5.846	ug/l	96
89) n-Butylbenzene	12.329	91	121067	21.753	ug/l	# 50
95) Naphthalene	13.774	128	49026	6.038	ug/l	# 87

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

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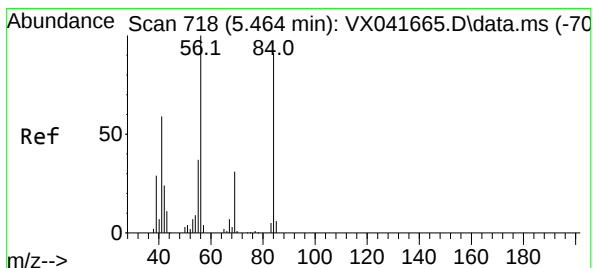
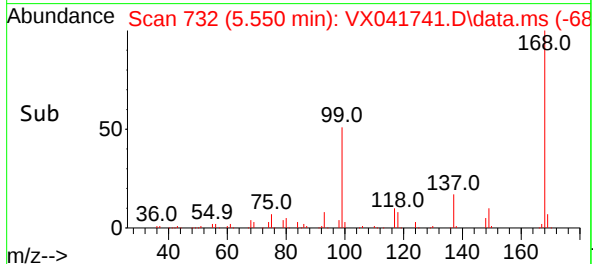
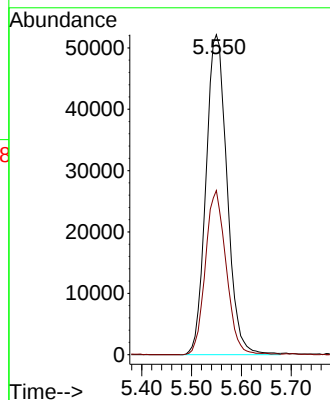
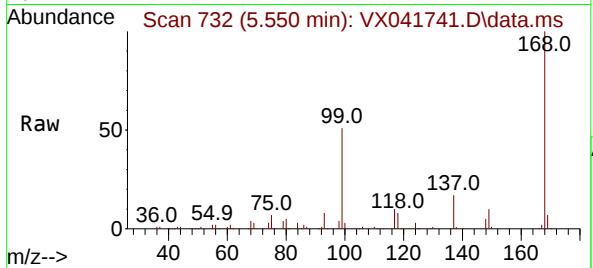




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

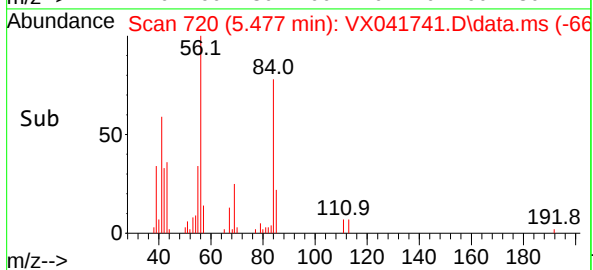
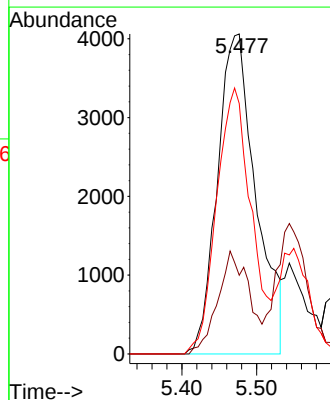
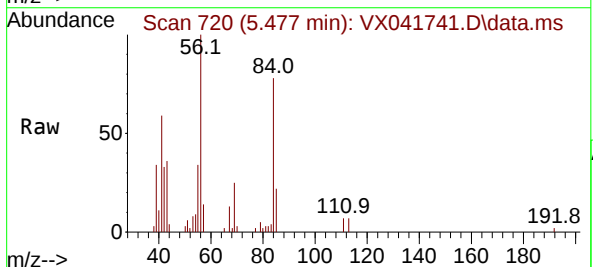
Instrument :
MSVOA_X
ClientSampleId :
DIESEL-1

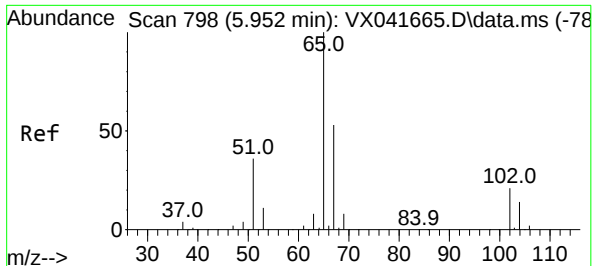
Tgt Ion:168 Resp: 153092
Ion Ratio Lower Upper
168 100
99 51.3 56.6 85.0#



#31
Cyclohexane
Concen: 6.567 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.012 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

Tgt Ion: 56 Resp: 14558
Ion Ratio Lower Upper
56 100
69 24.6 23.4 35.2
84 78.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 47.021 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041741.D

Acq: 05 Jun 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

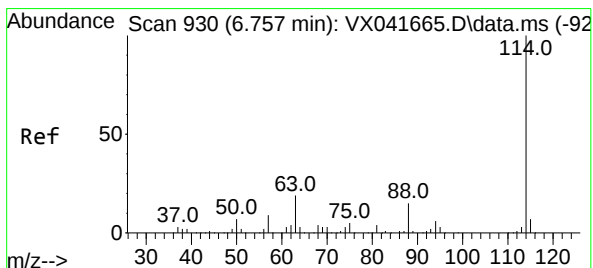
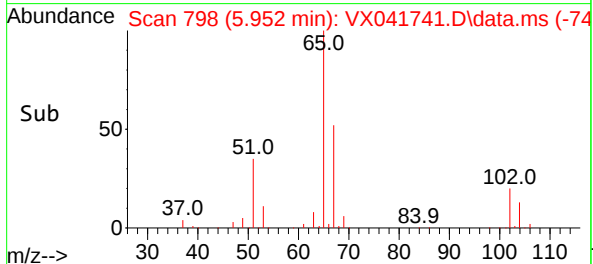
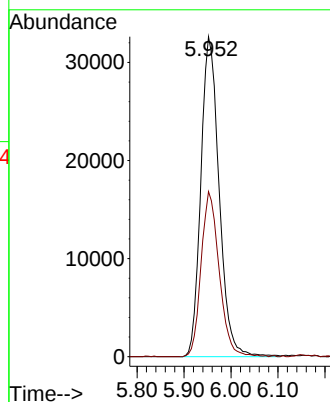
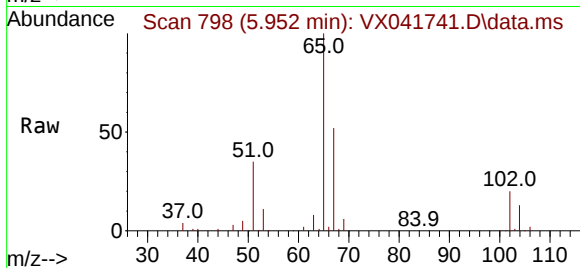
DIESEL-1

Tgt Ion: 65 Resp: 88287

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041741.D

Acq: 05 Jun 2024 11:45

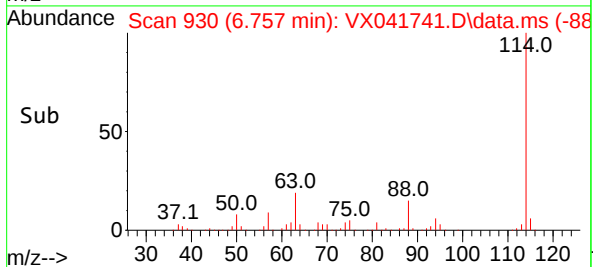
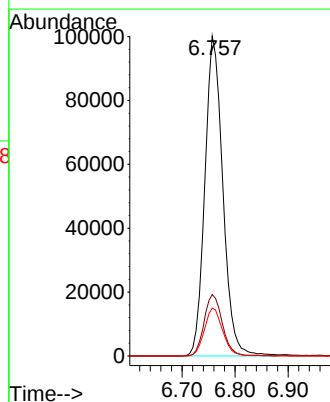
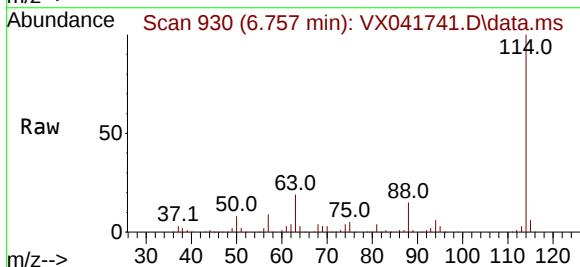
Tgt Ion: 114 Resp: 236042

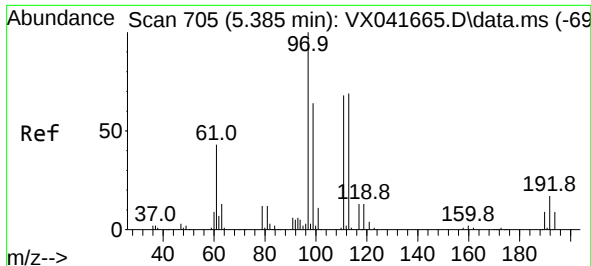
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 15.0 0.0 36.6

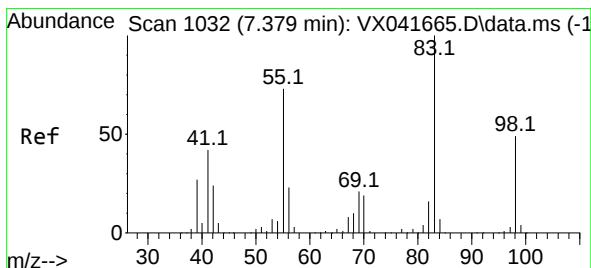
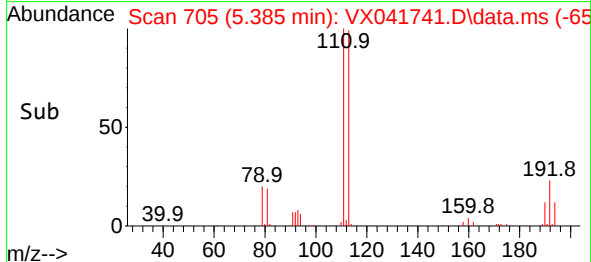
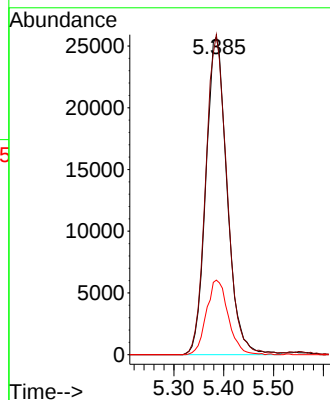
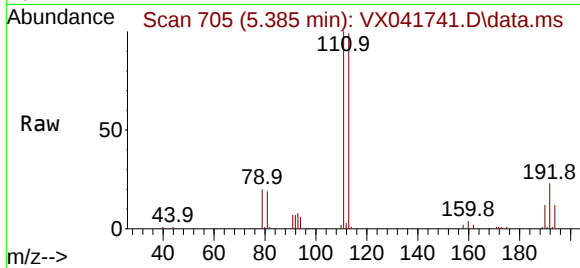




#35
Dibromofluoromethane
Concen: 46.507 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

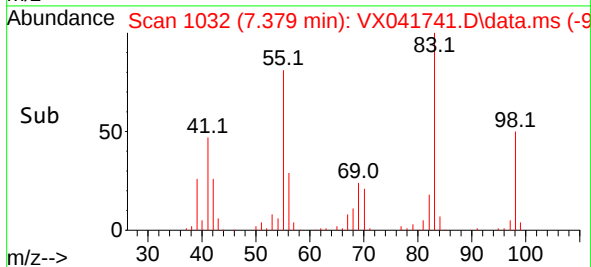
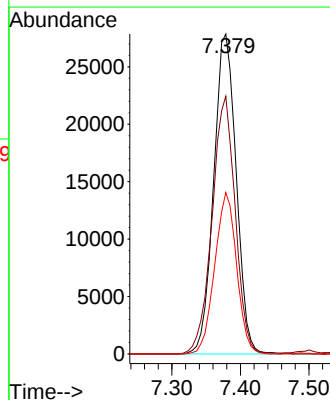
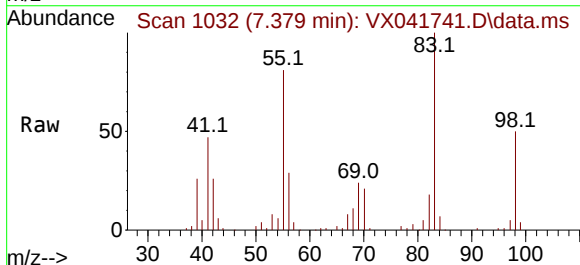
Instrument :
MSVOA_X
ClientSampleId :
DIESEL-1

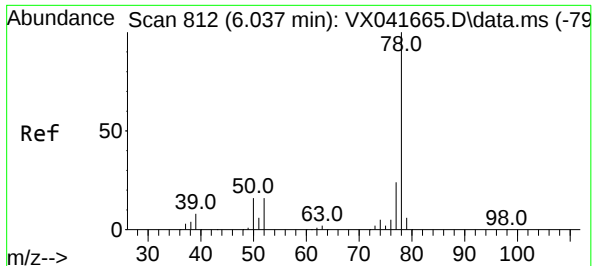
Tgt Ion:113 Resp: 75898
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 24.1 13.3 19.9#



#39
Methylcyclohexane
Concen: 26.157 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

Tgt Ion: 83 Resp: 63501
Ion Ratio Lower Upper
83 100
55 80.6 64.6 97.0
98 50.4 36.7 55.1





#40

Benzene

Concen: 1.666 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX041741.D

Acq: 05 Jun 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

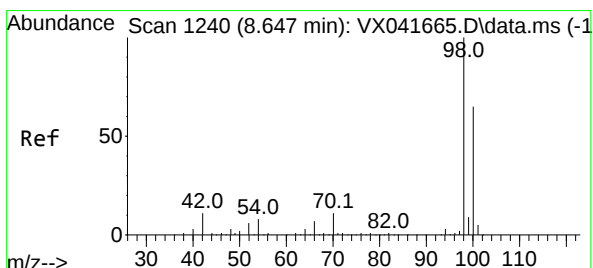
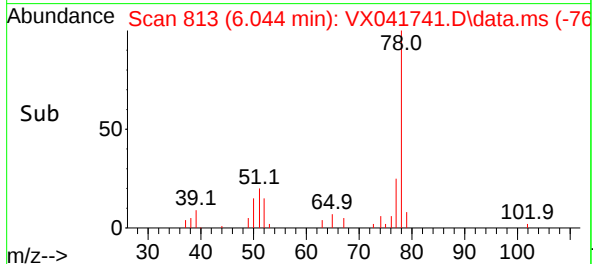
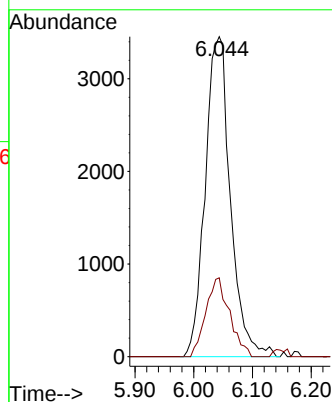
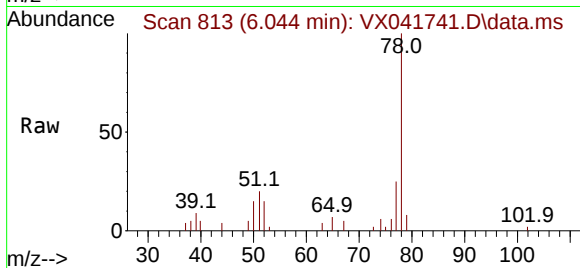
DIESEL-1

Tgt Ion: 78 Resp: 10292

Ion Ratio Lower Upper

78 100

77 24.6 19.3 28.9



#50

Toluene-d8

Concen: 49.564 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041741.D

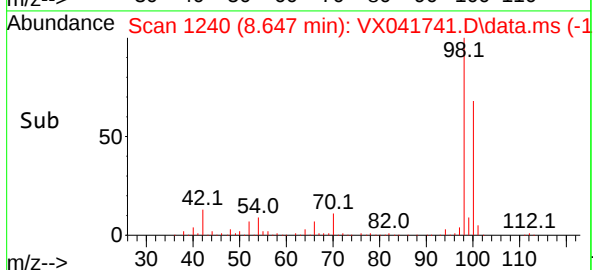
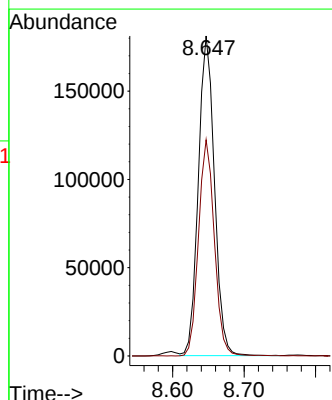
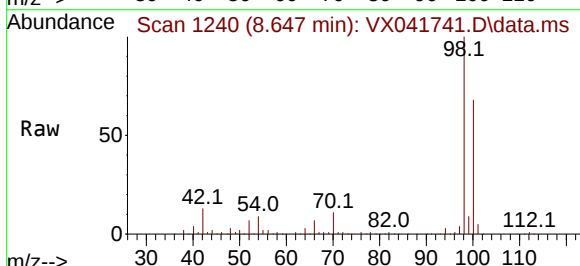
Acq: 05 Jun 2024 11:45

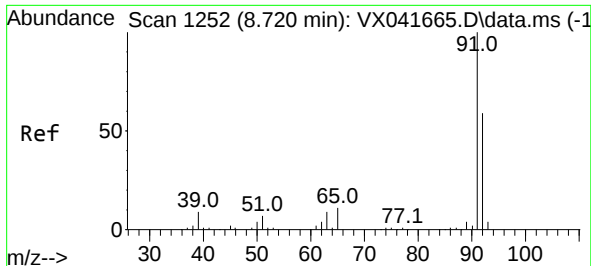
Tgt Ion: 98 Resp: 282631

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7

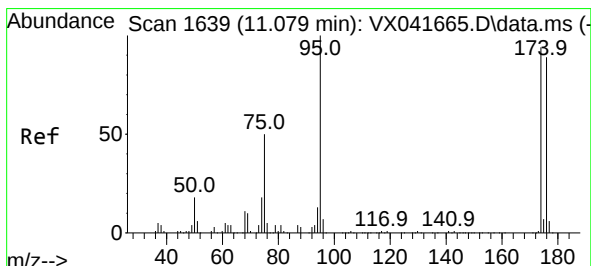
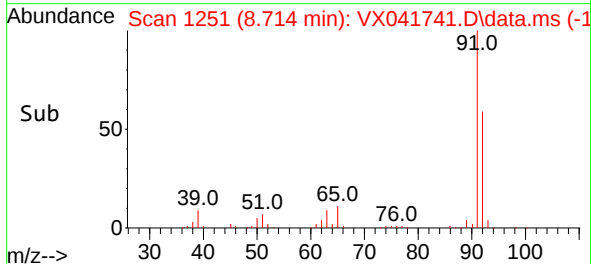
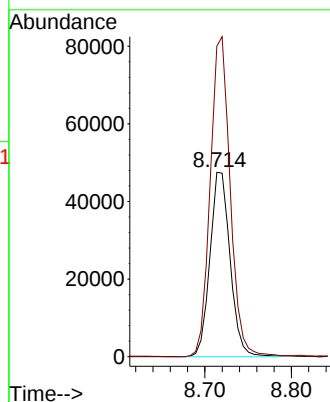
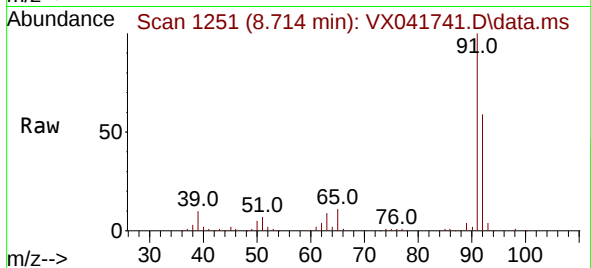




#52
Toluene
Concen: 19.595 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

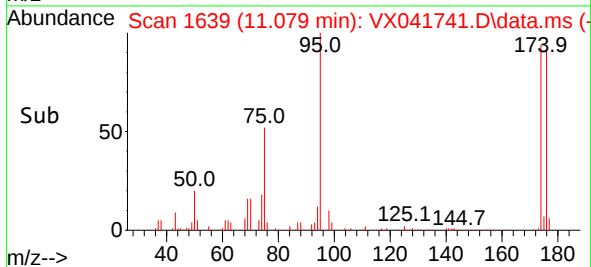
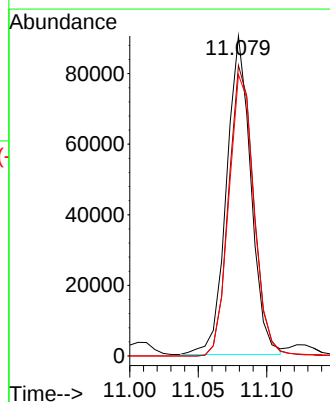
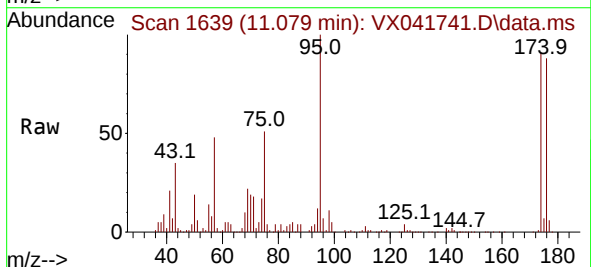
Instrument :
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DIESEL-1

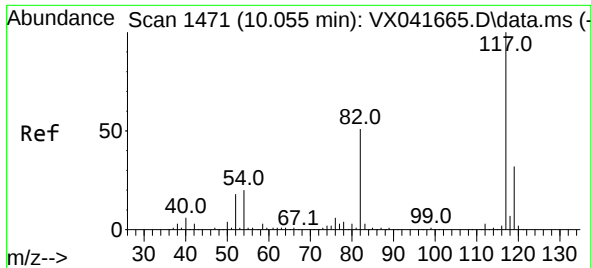
Tgt Ion: 92 Resp: 76808
Ion Ratio Lower Upper
92 100
91 172.1 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 53.222 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

Tgt Ion: 95 Resp: 112012
Ion Ratio Lower Upper
95 100
174 94.3 0.0 135.6
176 92.1 0.0 131.0

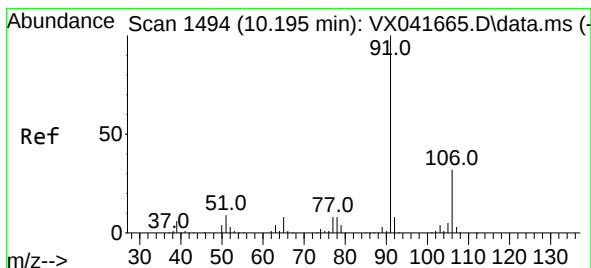
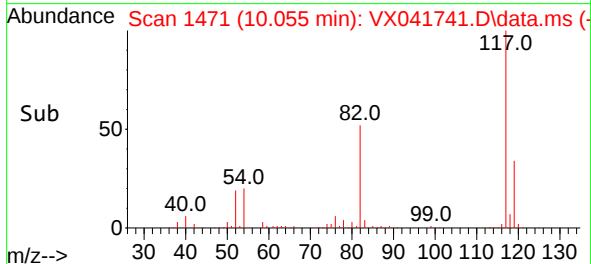
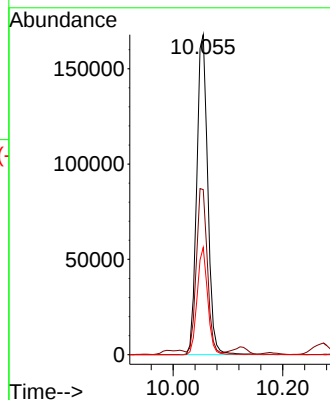
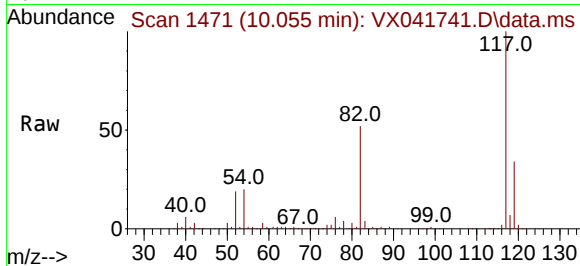




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

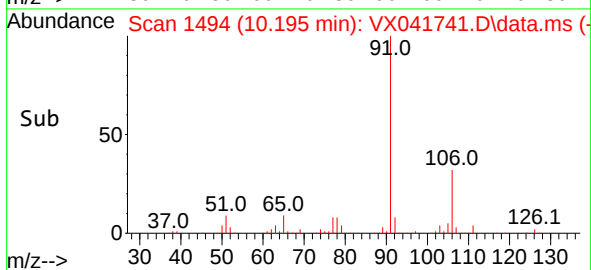
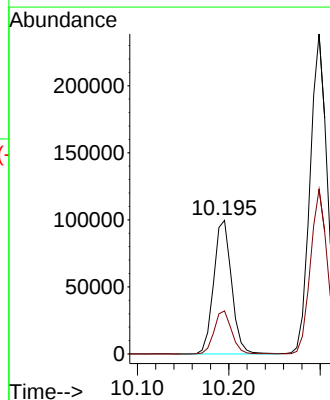
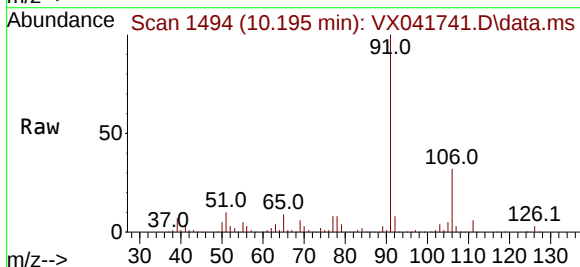
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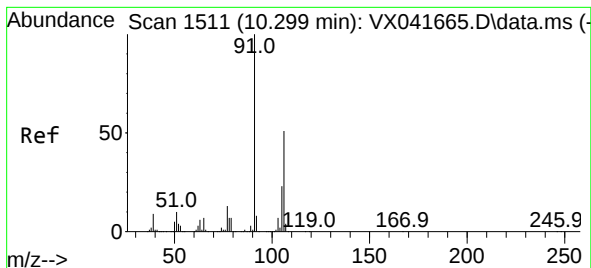
Tgt Ion:117 Resp: 235803
Ion Ratio Lower Upper
117 100
82 51.3 46.2 69.4
119 33.5 25.5 38.3



#67
Ethyl Benzene
Concen: 16.800 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

Tgt Ion: 91 Resp: 135493
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3





#68

m/p-Xylenes

Concen: 49.858 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX041741.D

Acq: 05 Jun 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

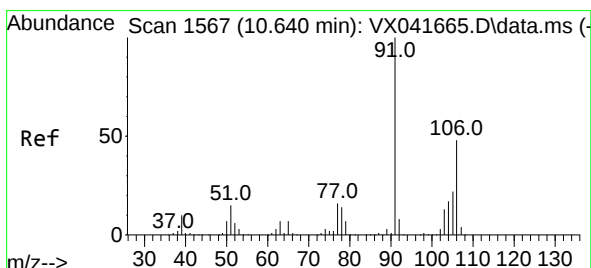
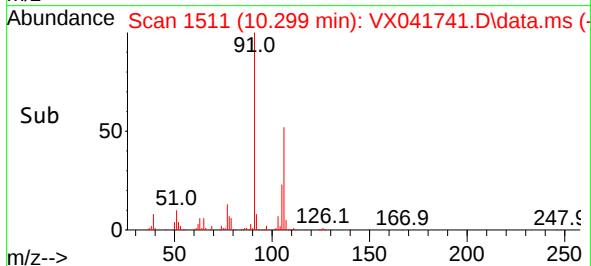
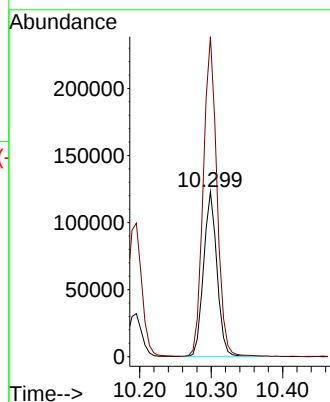
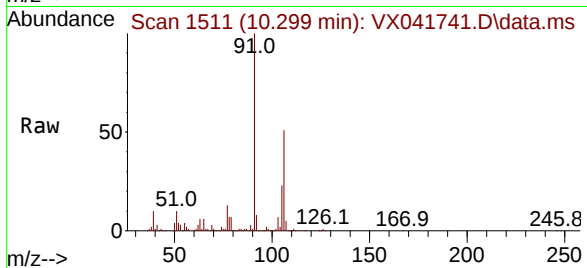
DIESEL-1

Tgt Ion:106 Resp: 159966

Ion Ratio Lower Upper

106 100

91 197.6 165.5 248.3



#69

o-Xylene

Concen: 23.717 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX041741.D

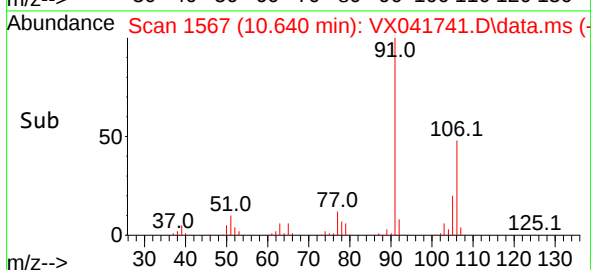
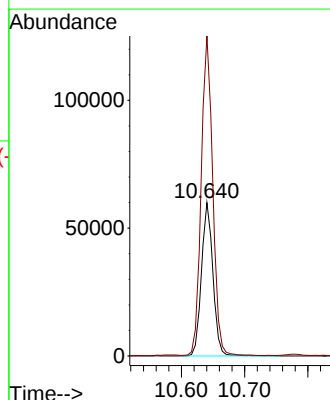
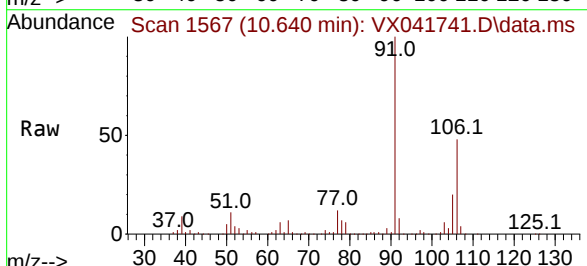
Acq: 05 Jun 2024 11:45

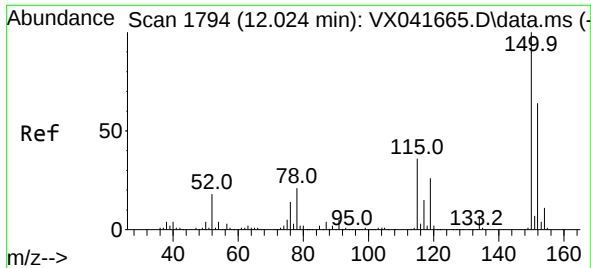
Tgt Ion:106 Resp: 75698

Ion Ratio Lower Upper

106 100

91 210.0 108.9 326.8

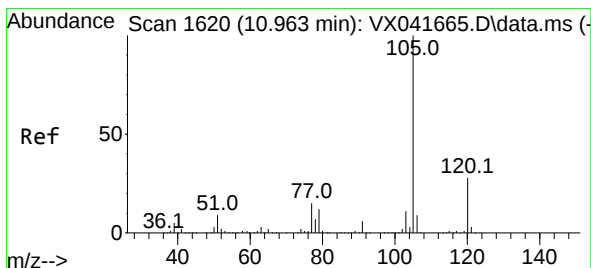
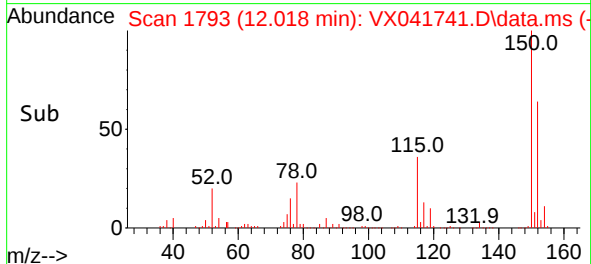
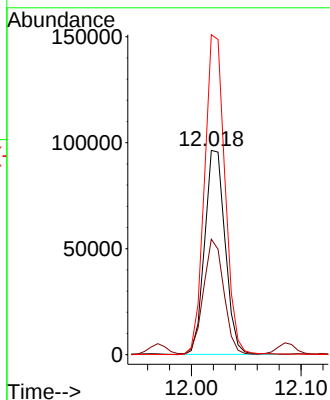
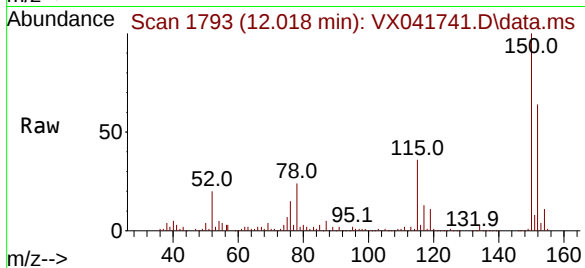




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX041741.D
 Acq: 05 Jun 2024 11:45

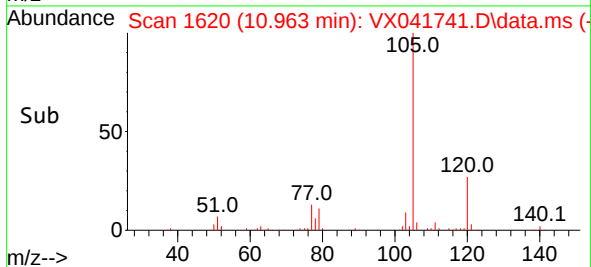
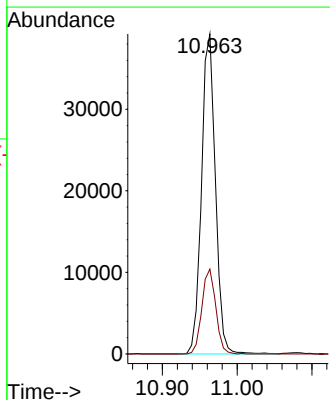
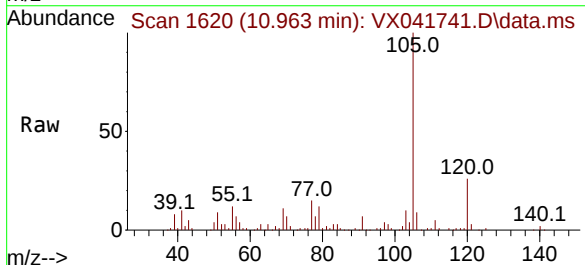
Instrument :
 MSVOA_X
 ClientSampleId :
 DIESEL-1

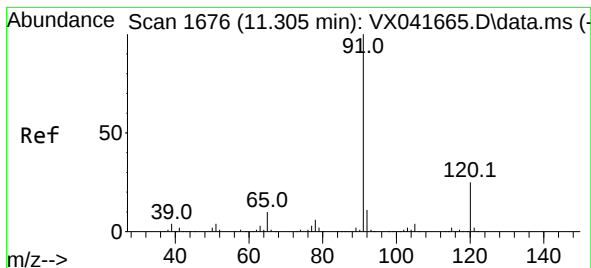
Tgt Ion:152 Resp: 125333
 Ion Ratio Lower Upper
 152 100
 115 56.2 43.3 129.9
 150 156.9 0.0 345.0



#73
 Isopropylbenzene
 Concen: 6.508 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX041741.D
 Acq: 05 Jun 2024 11:45

Tgt Ion:105 Resp: 50594
 Ion Ratio Lower Upper
 105 100
 120 26.5 12.9 38.6





#78

n-propylbenzene

Concen: 17.397 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041741.D

Acq: 05 Jun 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

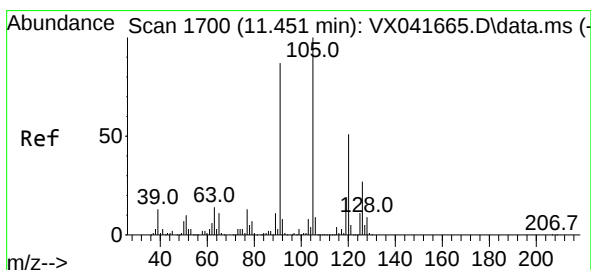
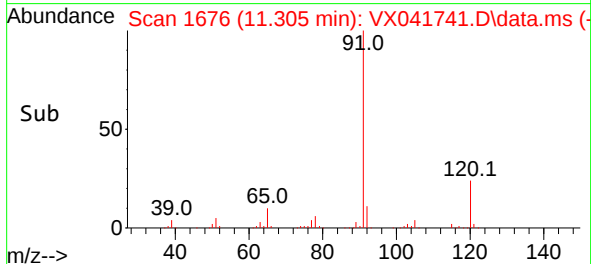
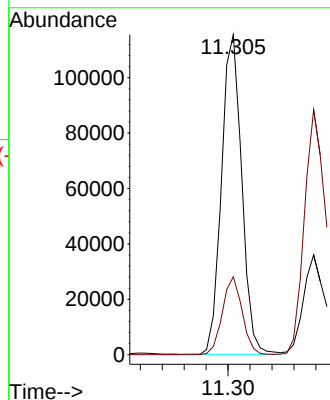
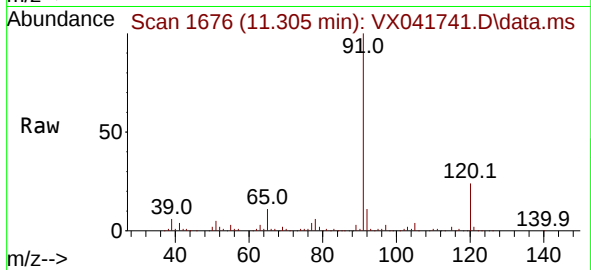
DIESEL-1

Tgt Ion: 91 Resp: 148520

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 19.384 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041741.D

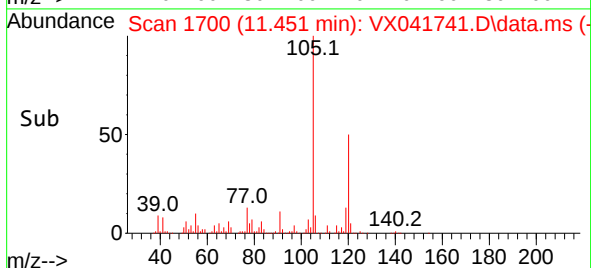
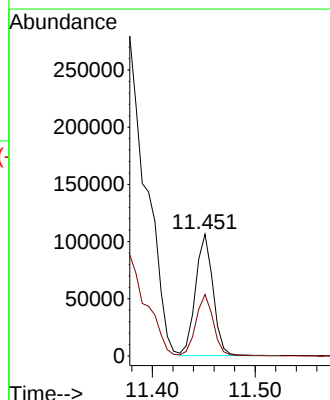
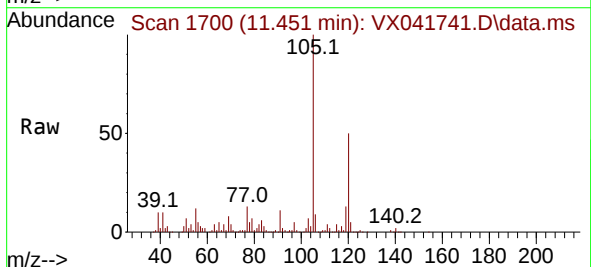
Acq: 05 Jun 2024 11:45

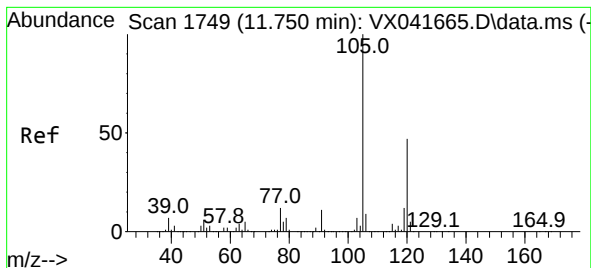
Tgt Ion: 105 Resp: 125827

Ion Ratio Lower Upper

105 100

120 50.4 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 68.476 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041741.D

Acq: 05 Jun 2024 11:45

Instrument :

MSVOA_X

ClientSampleId :

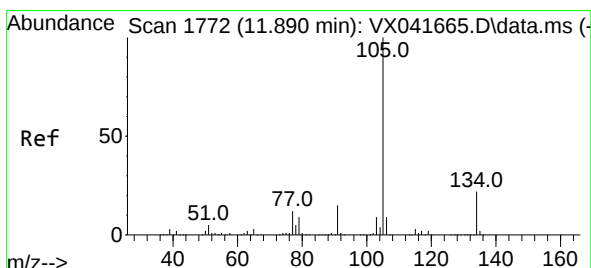
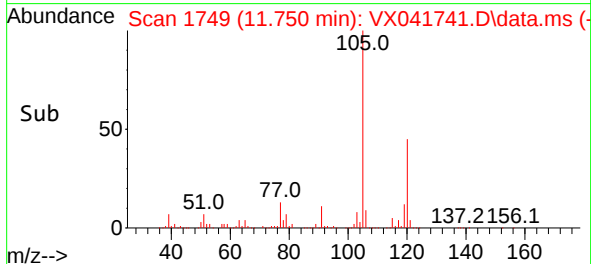
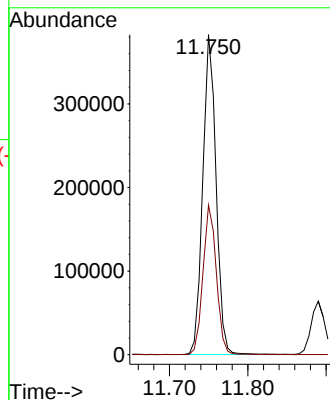
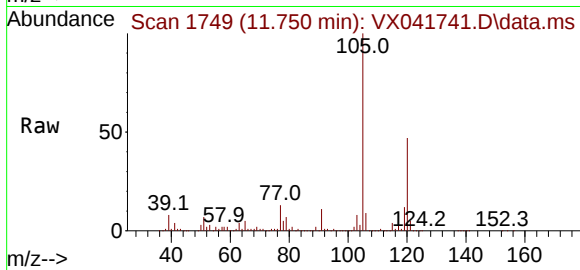
DIESEL-1

Tgt Ion:105 Resp: 450343

Ion Ratio Lower Upper

105 100

120 47.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 9.677 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX041741.D

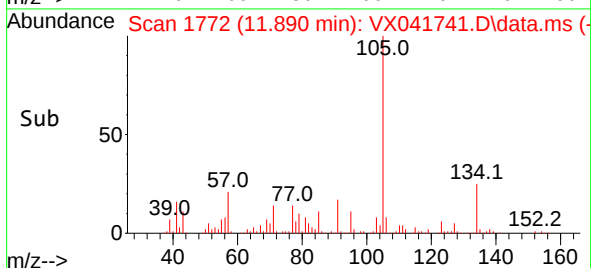
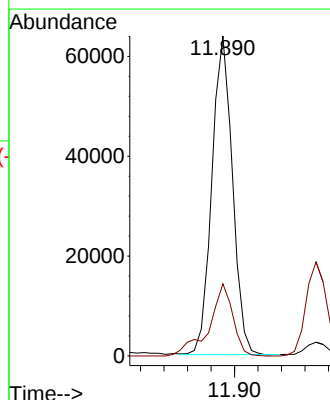
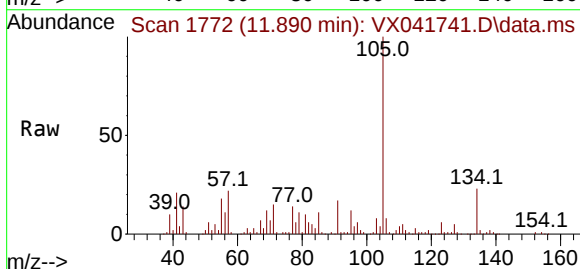
Acq: 05 Jun 2024 11:45

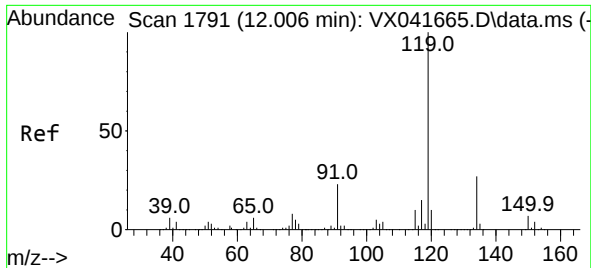
Tgt Ion:105 Resp: 77574

Ion Ratio Lower Upper

105 100

134 26.3 9.8 29.4

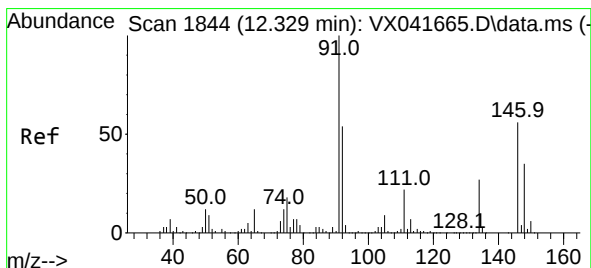
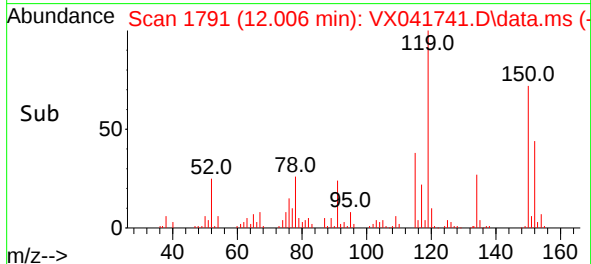
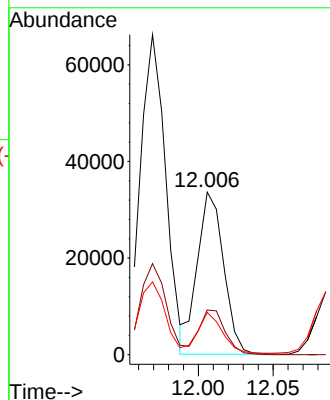
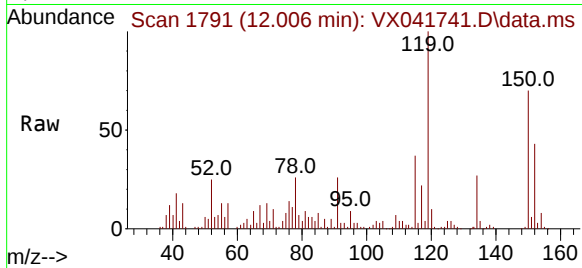




#86
p-Isopropyltoluene
Concen: 5.846 ug/l
RT: 12.006 min Scan# 1191
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

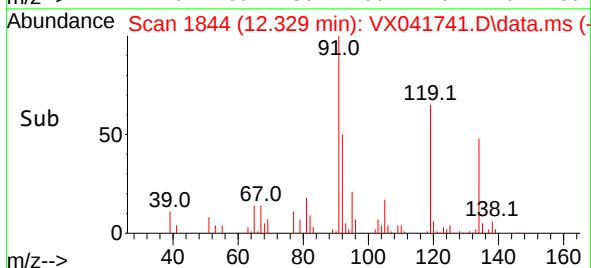
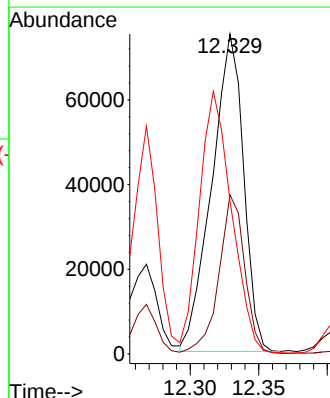
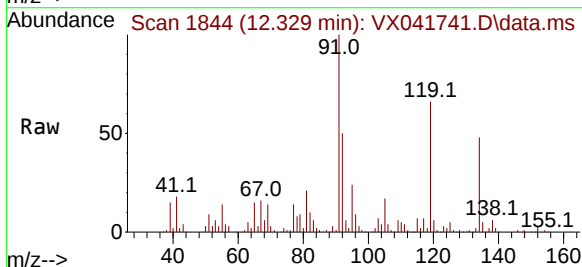
Instrument :
MSVOA_X
ClientSampleId :
DIESEL-1

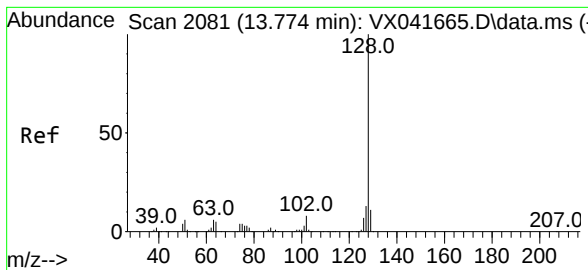
Tgt Ion:119 Resp: 41102
Ion Ratio Lower Upper
119 100
134 26.8 12.8 38.3
91 23.5 13.1 39.3



#89
n-Butylbenzene
Concen: 21.753 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

Tgt Ion: 91 Resp: 121067
Ion Ratio Lower Upper
91 100
92 40.5 27.4 82.0
134 83.5 12.6 37.8#





#95
Naphthalene
Concen: 6.038 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX041741.D
Acq: 05 Jun 2024 11:45

Instrument :
MSVOA_X
ClientSampleId :
DIESEL-1

Tgt Ion:128 Resp: 49026
Ion Ratio Lower Upper
128 100
127 16.4 10.3 15.5#
129 18.1 8.8 13.2#

