

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042924\
 Data File : VX041274.D
 Acq On : 29 Apr 2024 14:16
 Operator : JC/MD
 Sample : P2183-01
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1229

Quant Time: Apr 30 02:09:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	170540	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	245207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130726	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90929	56.011	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.020%
35) Dibromofluoromethane	5.385	113	74554	49.984	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.960%
50) Toluene-d8	8.646	98	281286	55.895	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	111.800%
62) 4-Bromofluorobenzene	11.085	95	111330	59.937	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.880%

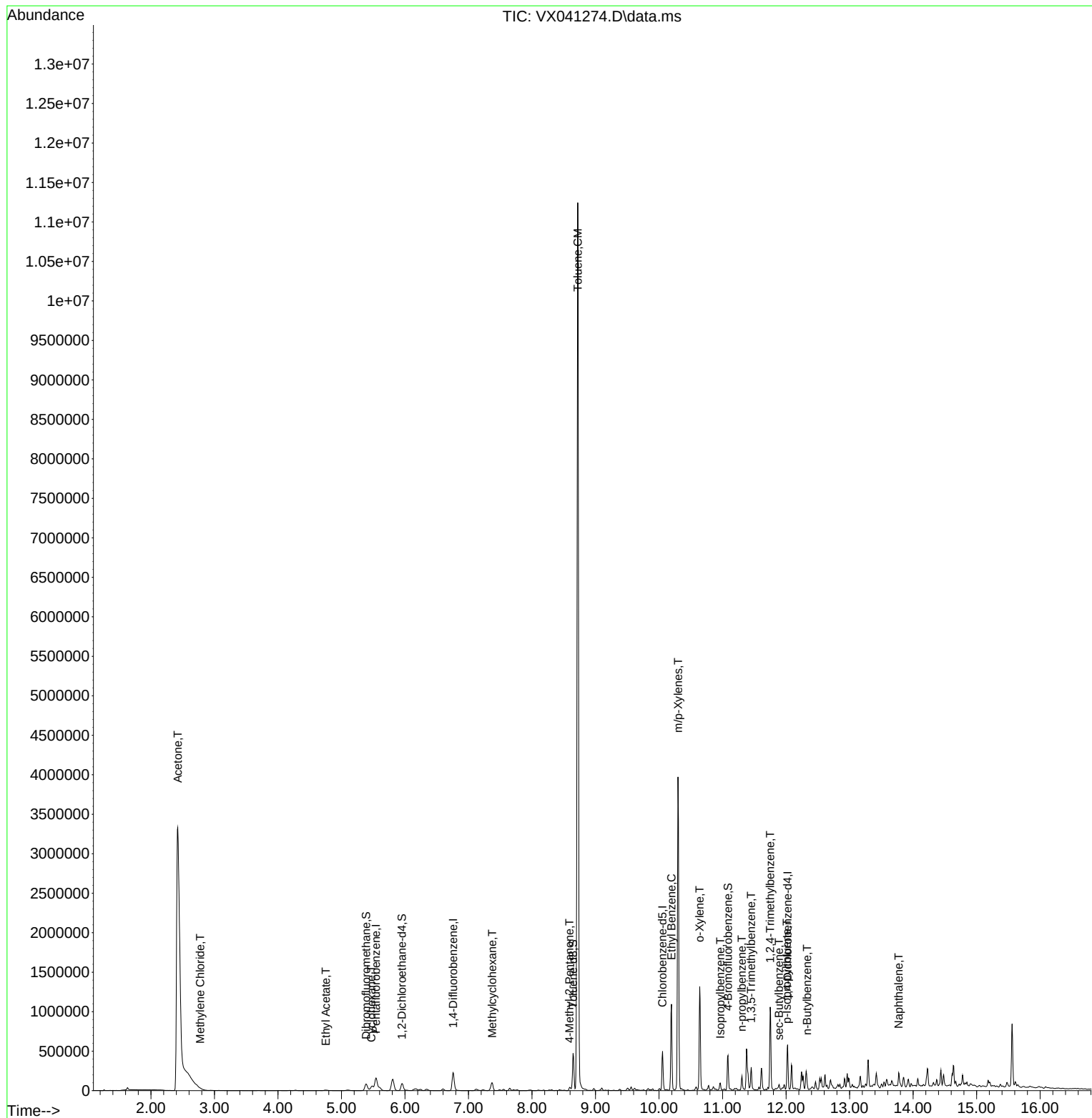
Target Compounds					Qvalue	
16) Acetone	2.422	43	8723357	14762.418	ug/l	91
20) Methylene Chloride	2.776	84	2458	1.703	ug/l	# 83
31) Cyclohexane	5.470	56	19932	9.123	ug/l	# 67
37) Ethyl Acetate	4.751	43	15149	7.235	ug/l	96
39) Methylcyclohexane	7.372	83	44957	17.760	ug/l	94
51) 4-Methyl-2-Pentanone	8.592	43	8328	3.945	ug/l	# 84
52) Toluene	8.720	92	4490512	1209.085	ug/l	92
67) Ethyl Benzene	10.195	91	611942	81.324	ug/l	97
68) m/p-Xylenes	10.299	106	949105	312.450	ug/l	91
69) o-Xylene	10.640	106	292900	99.141	ug/l	92
73) Isopropylbenzene	10.963	105	44668	5.492	ug/l	97
78) n-propylbenzene	11.305	91	106385	12.113	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	119698	17.689	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	466849	69.510	ug/l	92
85) sec-Butylbenzene	11.890	105	20590	2.461	ug/l	# 76
86) p-Isopropyltoluene	12.012	119	9886	1.341	ug/l	95
89) n-Butylbenzene	12.329	91	32427	5.792	ug/l	# 28
95) Naphthalene	13.774	128	115932	13.665	ug/l	99

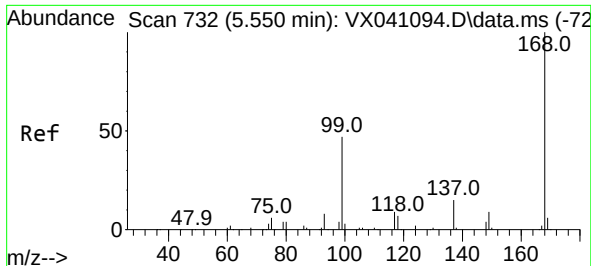
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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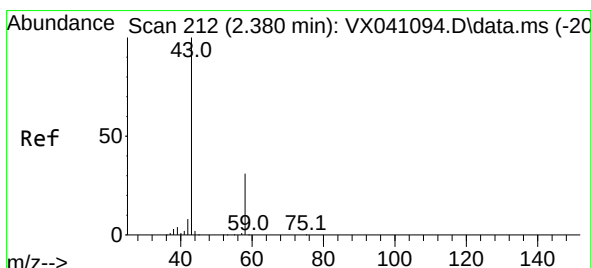
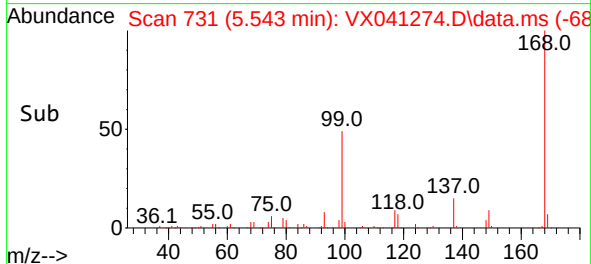
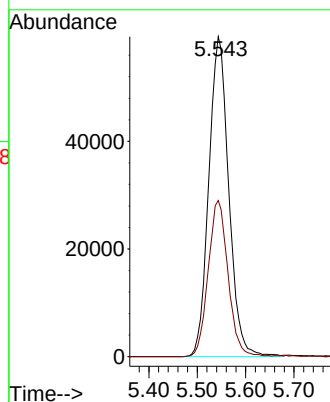
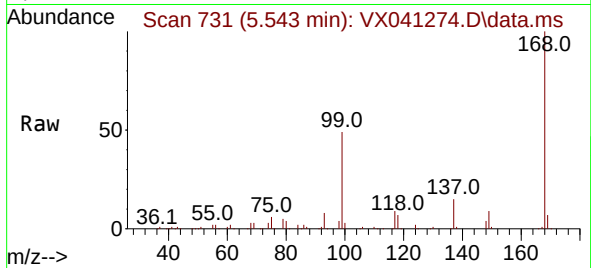




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

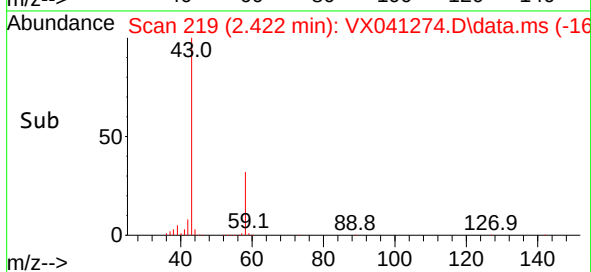
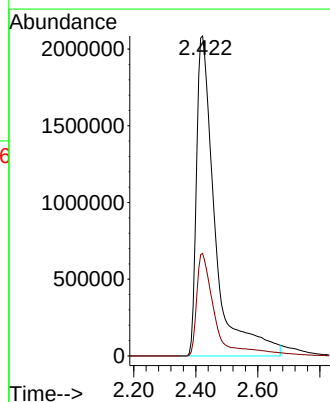
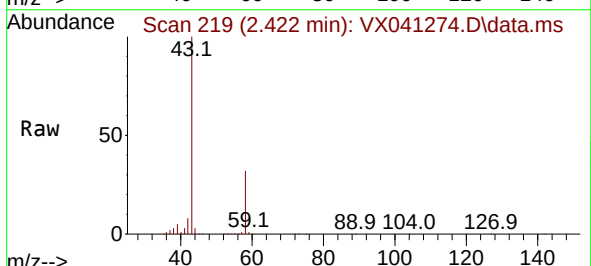
Instrument :
MSVOA_X
ClientSampleId :
1229

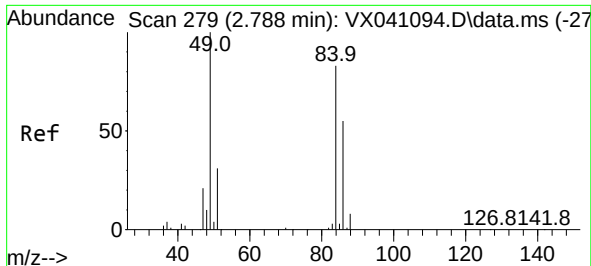
Tgt Ion:168 Resp: 170540
Ion Ratio Lower Upper
168 100
99 48.8 56.6 85.0#



#16
Acetone
Concen: 14762.418 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.024 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

Tgt Ion: 43 Resp: 8723357
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9

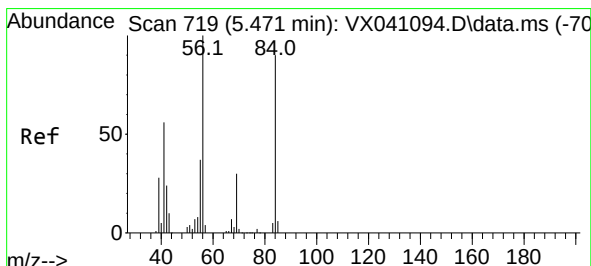
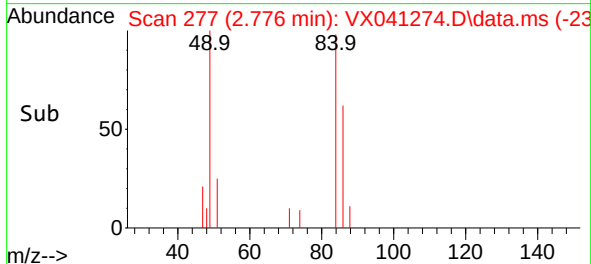
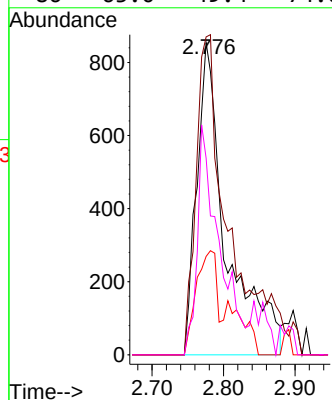
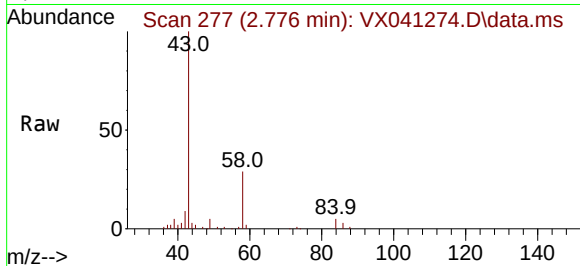




#20
Methylene Chloride
Concen: 1.703 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.013 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

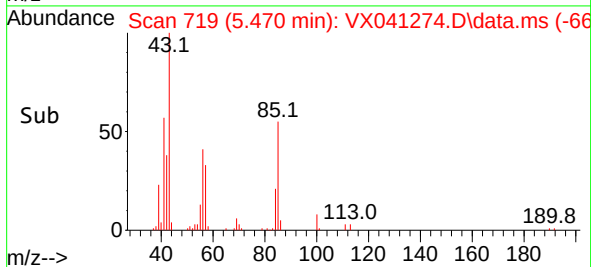
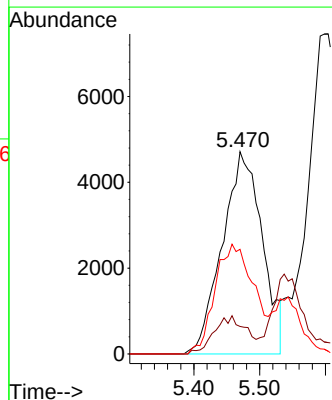
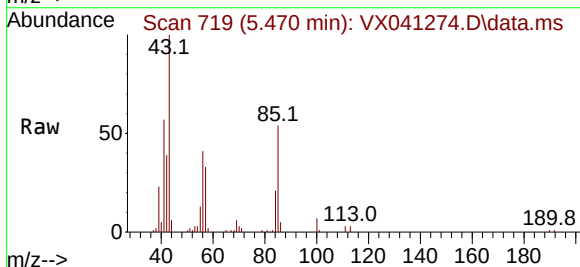
Instrument :
MSVOA_X
ClientSampleId :
1229

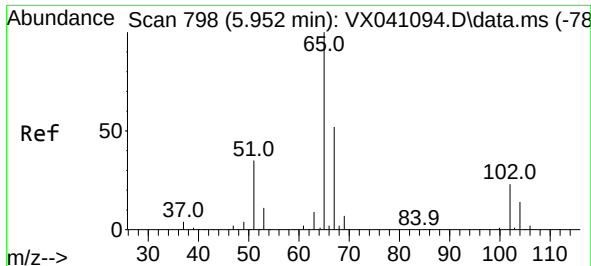
Tgt Ion:	84	Resp:	2458
Ion	Ratio	Lower	Upper
84	100		
49	101.9	103.6	155.4#
51	31.5	33.8	50.6#
86	63.0	49.4	74.0



#31
Cyclohexane
Concen: 9.123 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

Tgt Ion:	56	Resp:	19932
Ion	Ratio	Lower	Upper
56	100		
69	13.6	23.4	35.2#
84	51.7	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 56.011 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

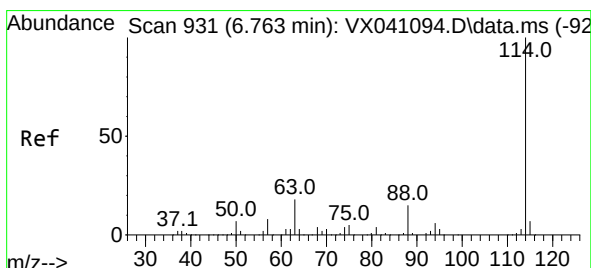
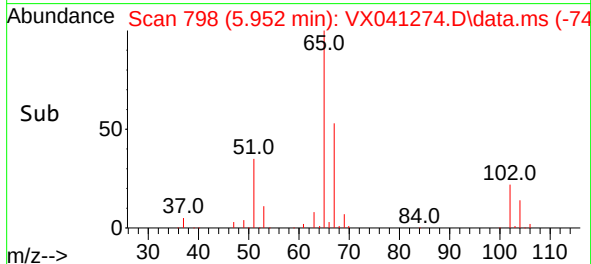
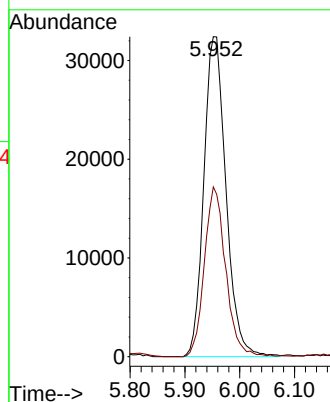
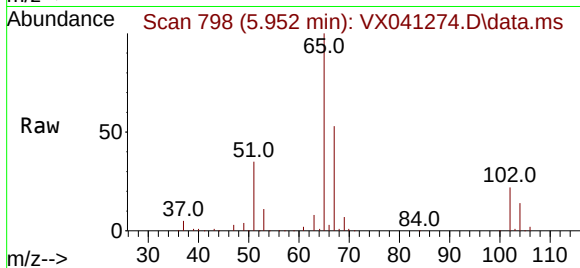
1229

Tgt Ion: 65 Resp: 90929

Ion Ratio Lower Upper

65 100

67 51.0 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: VX041274.D

Acq: 29 Apr 2024 14:16

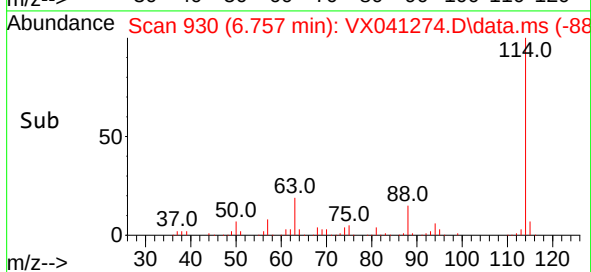
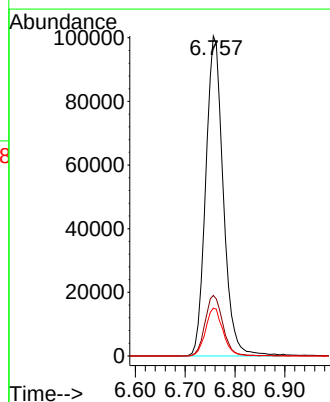
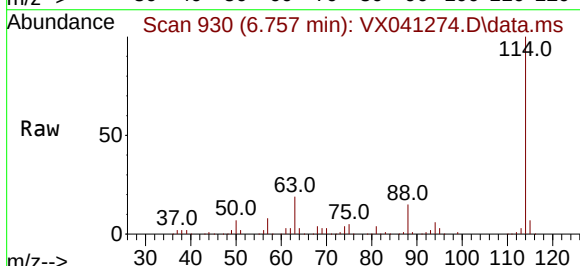
Tgt Ion: 114 Resp: 245207

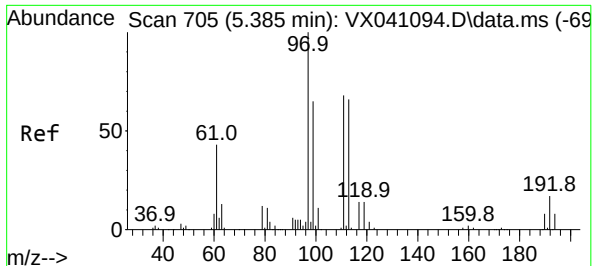
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

88 14.9 0.0 36.6

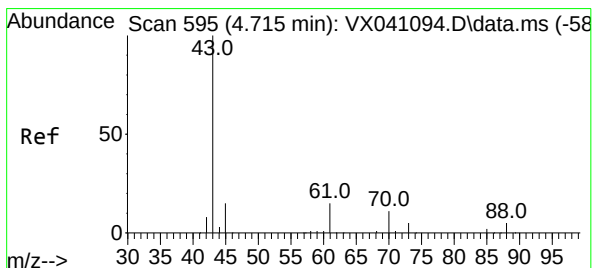
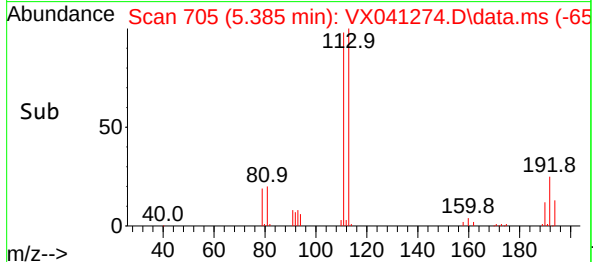
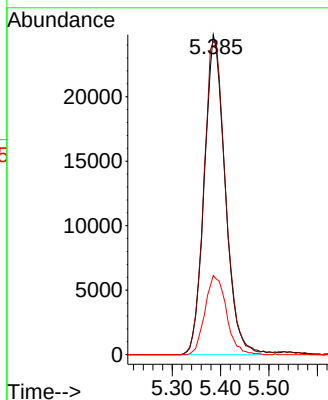
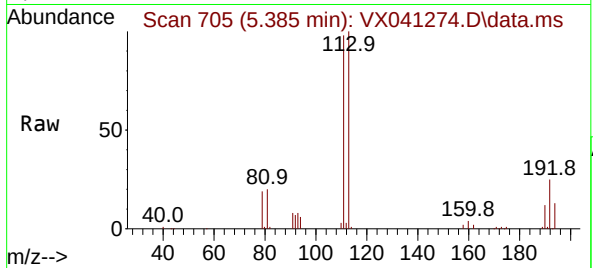




#35
 Dibromofluoromethane
 Concen: 49.984 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX041274.D
 Acq: 29 Apr 2024 14:16

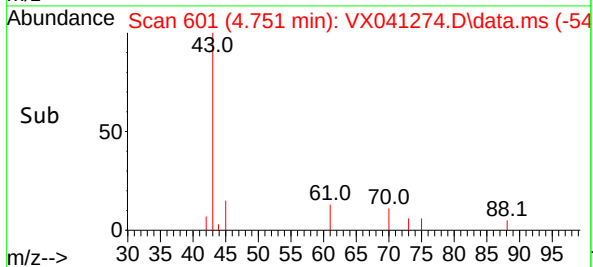
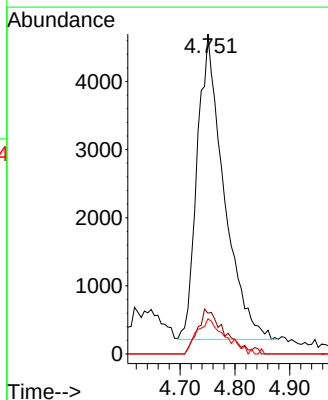
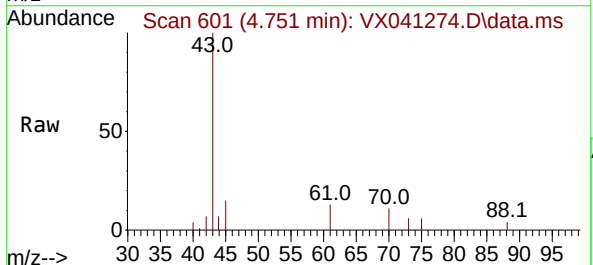
Instrument :
 MSVOA_X
 ClientSampleId :
 1229

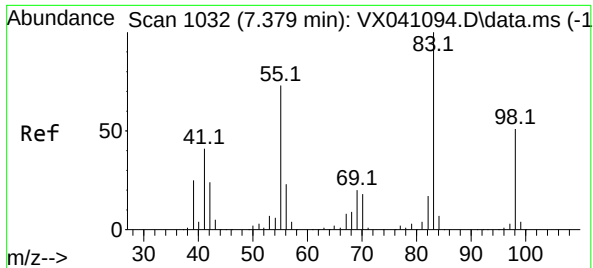
Tgt Ion:	113	Resp:	74554
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.9	124.3
192	25.3	13.3	19.9#



#37
 Ethyl Acetate
 Concen: 7.235 ug/l
 RT: 4.751 min Scan# 601
 Delta R.T. 0.030 min
 Lab File: VX041274.D
 Acq: 29 Apr 2024 14:16

Tgt Ion:	43	Resp:	15149
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.6	16.0
70	12.1	8.3	12.5





#39

Methylcyclohexane

Concen: 17.760 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

1229

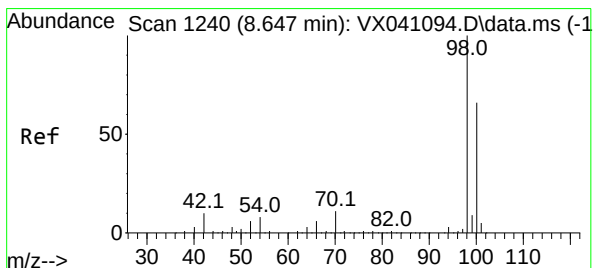
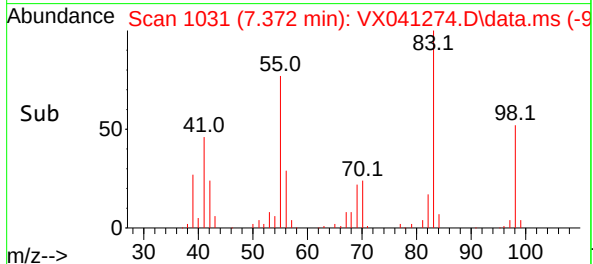
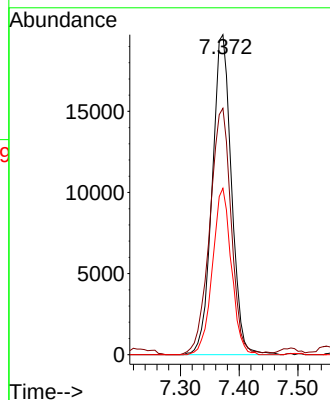
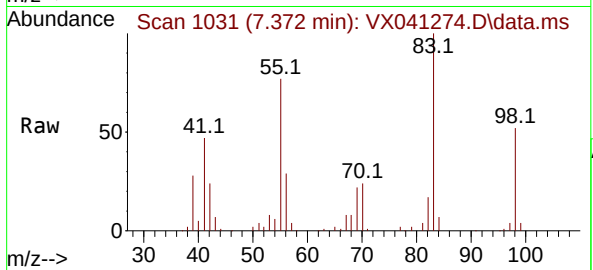
Tgt Ion: 83 Resp: 44957

Ion Ratio Lower Upper

83 100

55 77.0 64.6 97.0

98 52.0 36.7 55.1



#50

Toluene-d8

Concen: 55.895 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041274.D

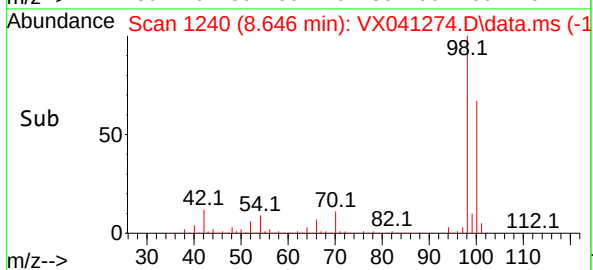
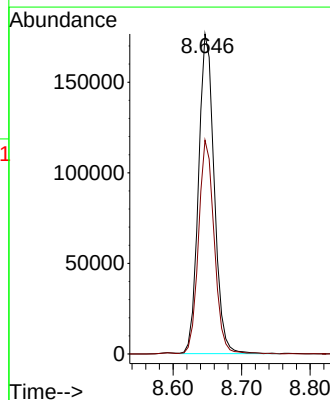
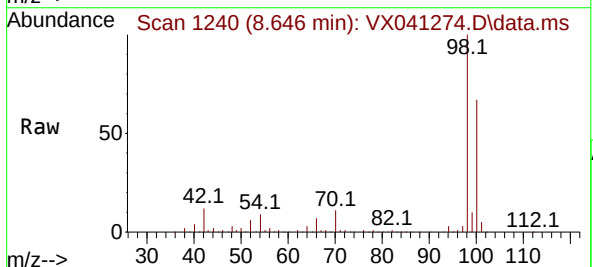
Acq: 29 Apr 2024 14:16

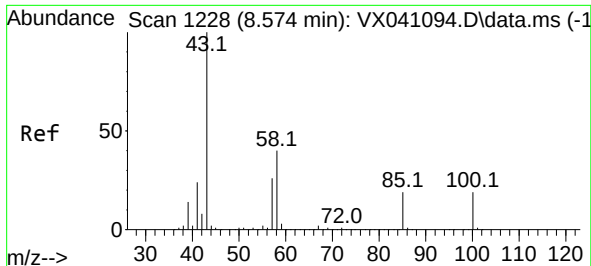
Tgt Ion: 98 Resp: 281286

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 3.945 ug/l

RT: 8.592 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

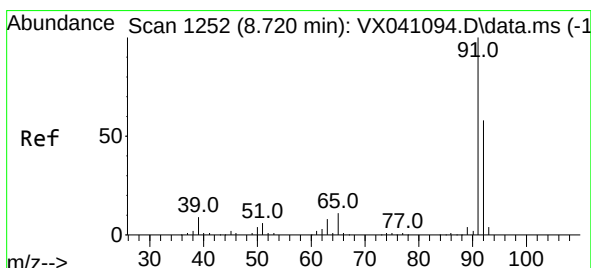
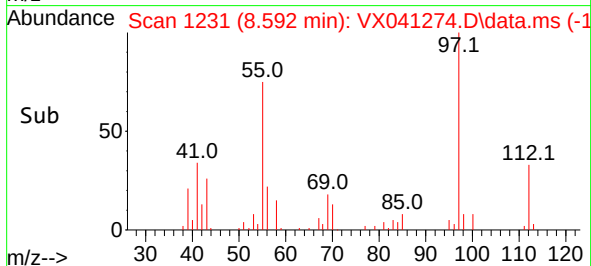
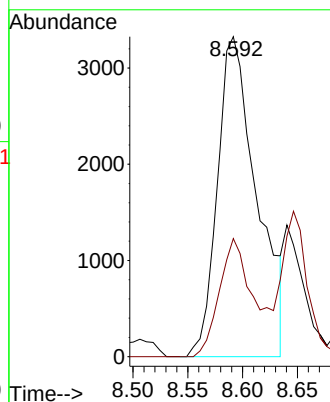
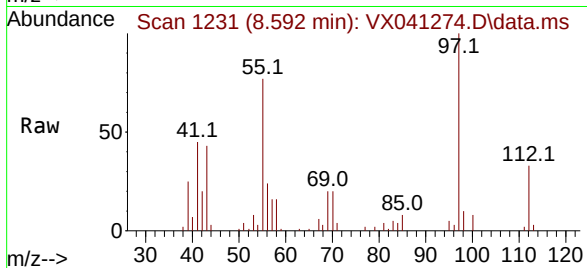
1229

Tgt Ion: 43 Resp: 8328

Ion Ratio Lower Upper

43 100

58 28.6 30.4 45.6#



#52

Toluene

Concen: 1209.085 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX041274.D

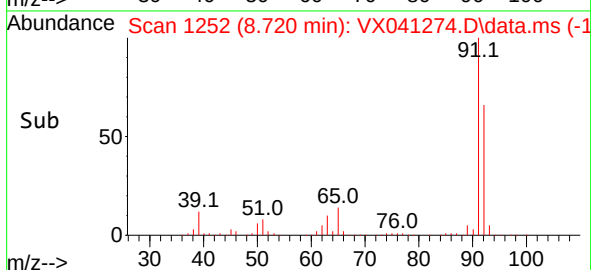
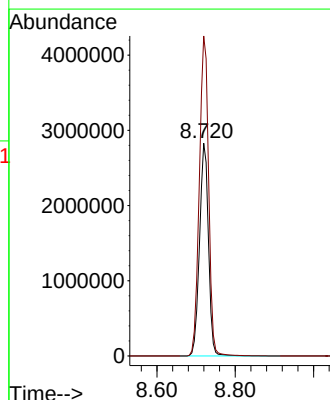
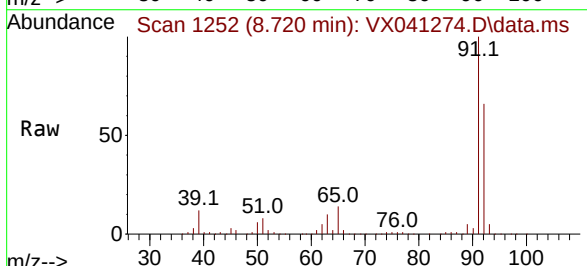
Acq: 29 Apr 2024 14:16

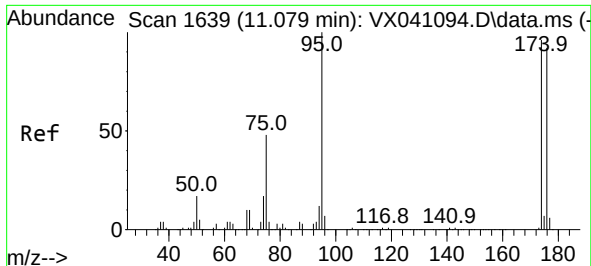
Tgt Ion: 92 Resp: 4490512

Ion Ratio Lower Upper

92 100

91 157.2 134.2 201.2

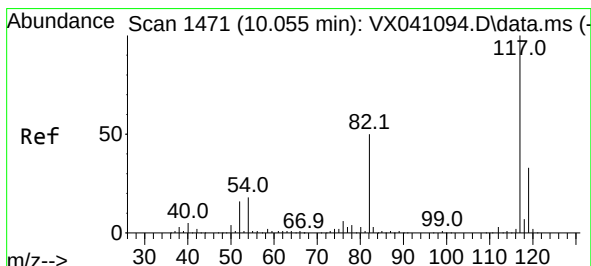
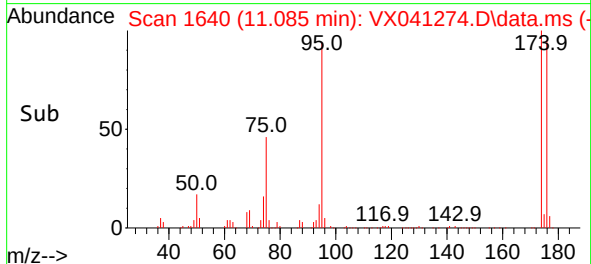
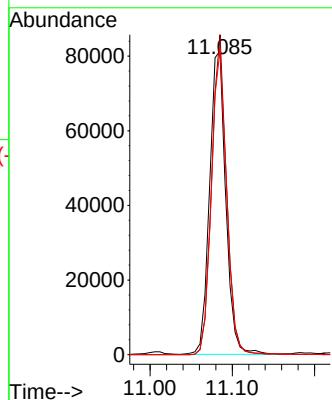
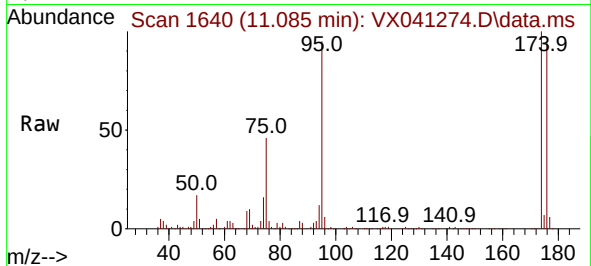




#62
4-Bromofluorobenzene
Concen: 59.937 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

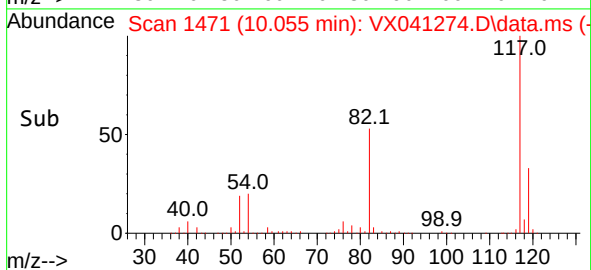
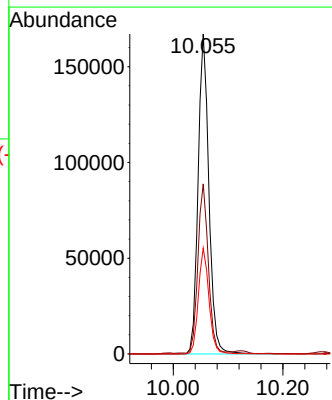
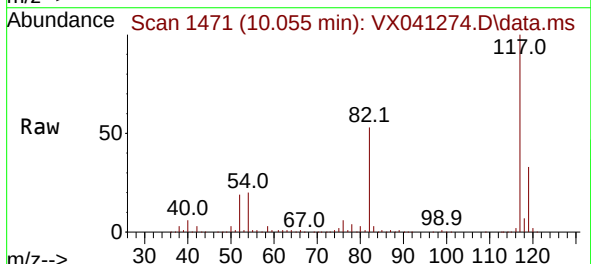
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MSVOA_X
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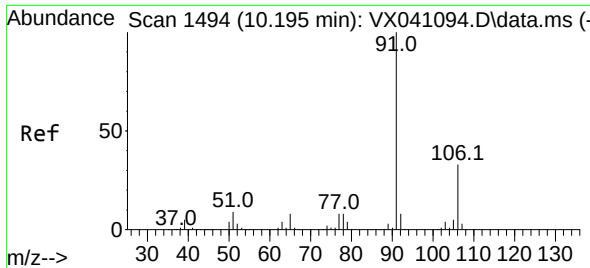
Tgt Ion: 95 Resp: 111330
Ion Ratio Lower Upper
95 100
174 96.9 0.0 135.6
176 94.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

Tgt Ion: 117 Resp: 229109
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 33.1 25.5 38.3

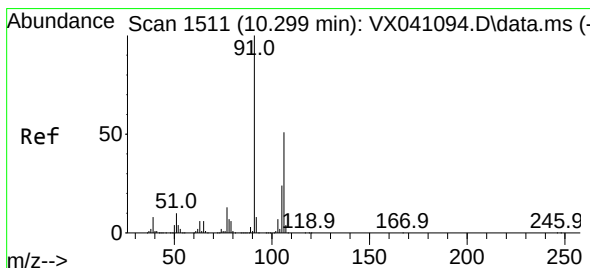
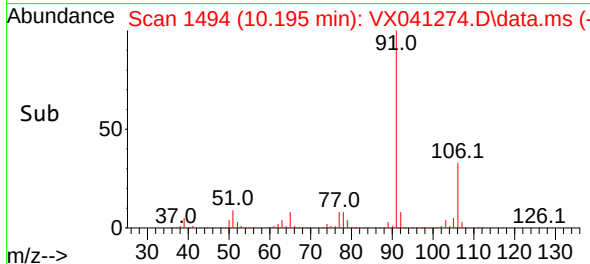
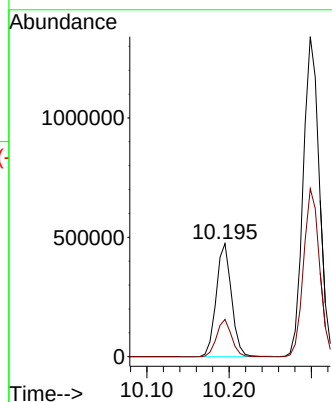
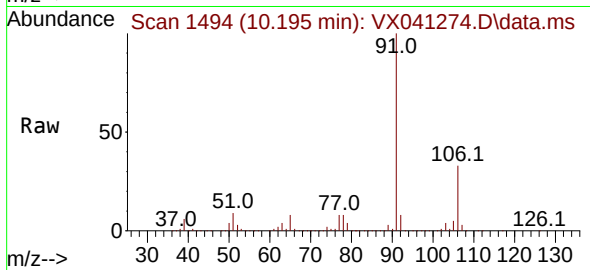




#67
Ethyl Benzene
Concen: 81.324 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

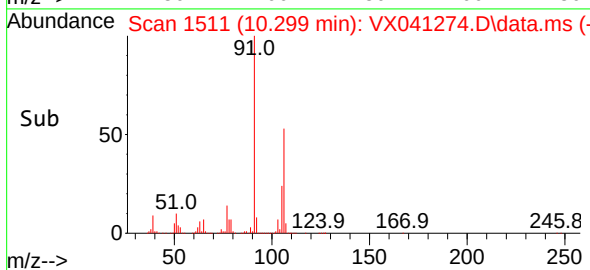
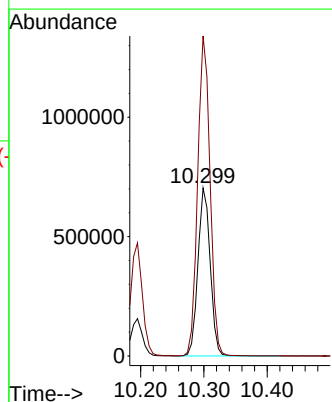
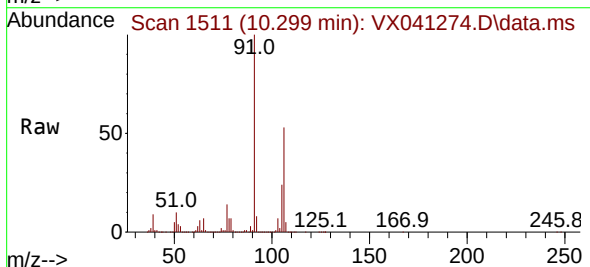
Instrument :
MSVOA_X
ClientSampleId :
1229

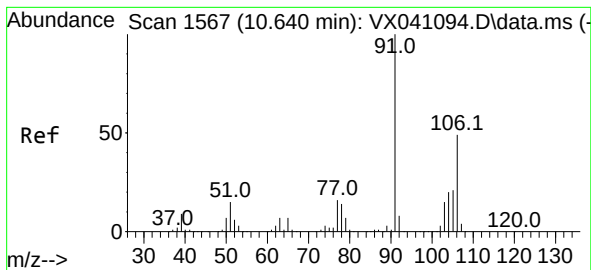
Tgt Ion: 91 Resp: 611942
Ion Ratio Lower Upper
91 100
106 32.9 24.9 37.3



#68
m/p-Xylenes
Concen: 312.450 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX041274.D
Acq: 29 Apr 2024 14:16

Tgt Ion:106 Resp: 949105
Ion Ratio Lower Upper
106 100
91 192.5 165.5 248.3





#69

o-Xylene

Concen: 99.141 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

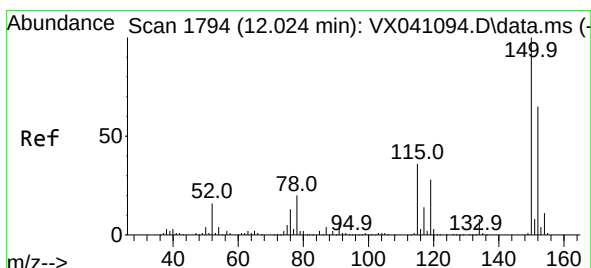
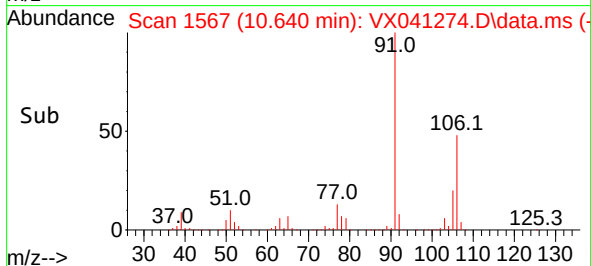
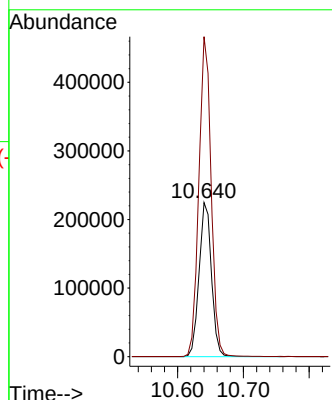
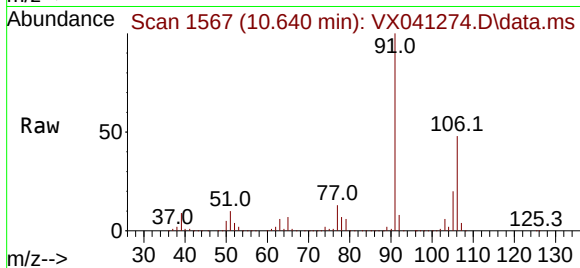
1229

Tgt Ion:106 Resp: 292900

Ion Ratio Lower Upper

106 100

91 205.2 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

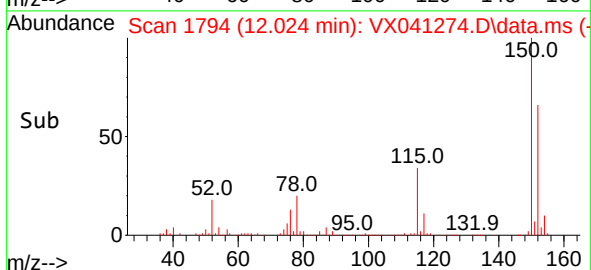
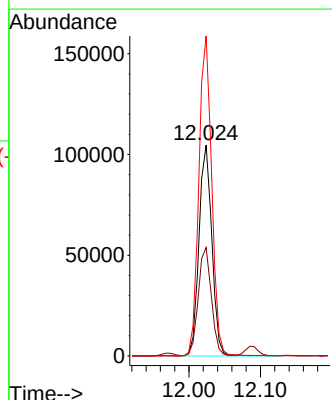
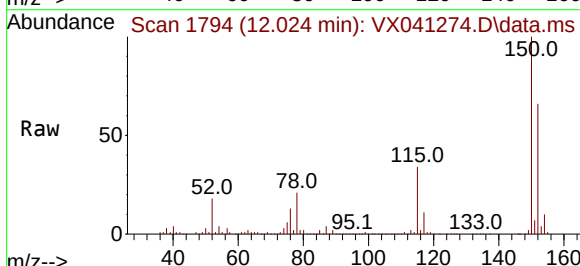
Tgt Ion:152 Resp: 130726

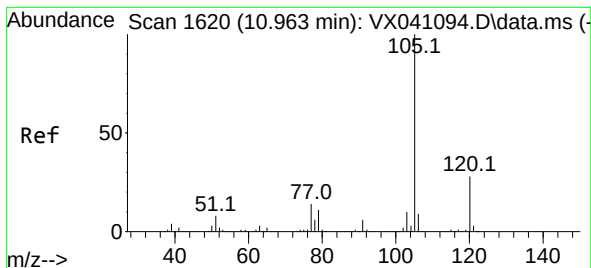
Ion Ratio Lower Upper

152 100

115 52.2 43.3 129.9

150 151.8 0.0 345.0





#73

Isopropylbenzene

Concen: 5.492 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

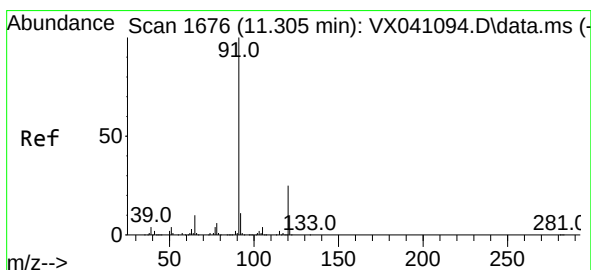
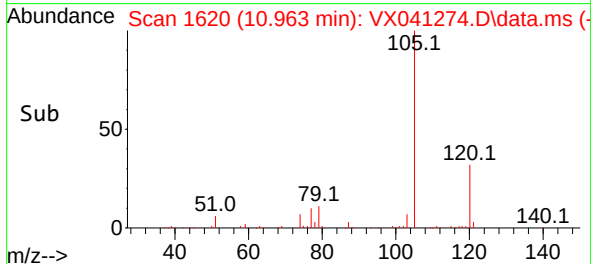
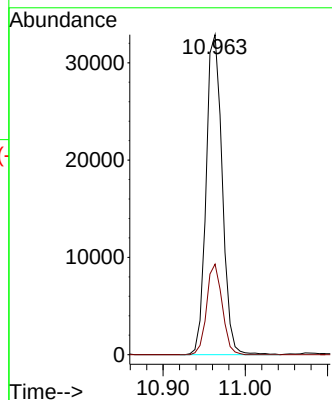
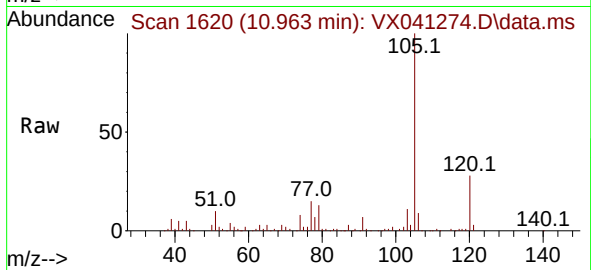
1229

Tgt Ion:105 Resp: 44668

Ion Ratio Lower Upper

105 100

120 27.3 12.9 38.6



#78

n-propylbenzene

Concen: 12.113 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX041274.D

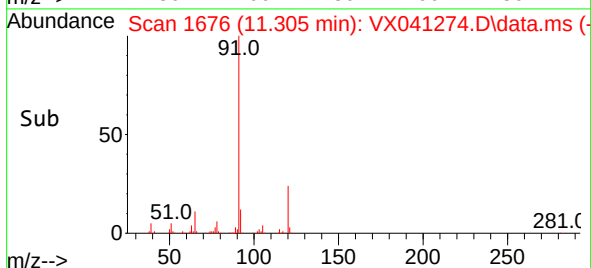
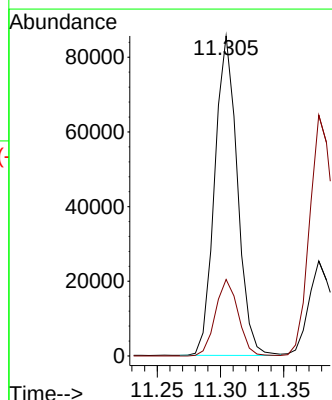
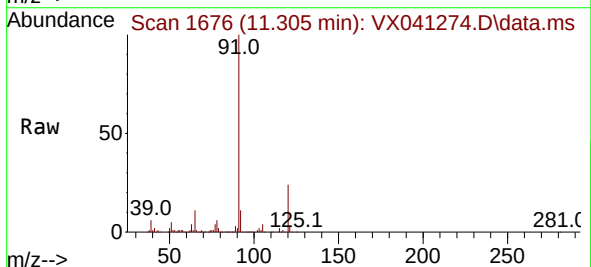
Acq: 29 Apr 2024 14:16

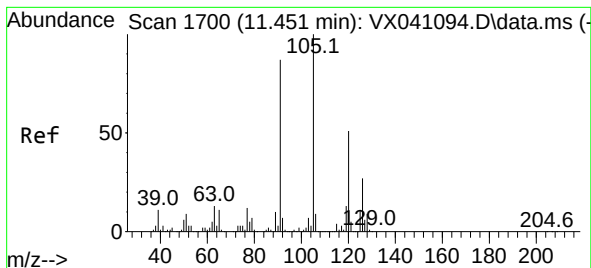
Tgt Ion: 91 Resp: 106385

Ion Ratio Lower Upper

91 100

120 24.2 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 17.689 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

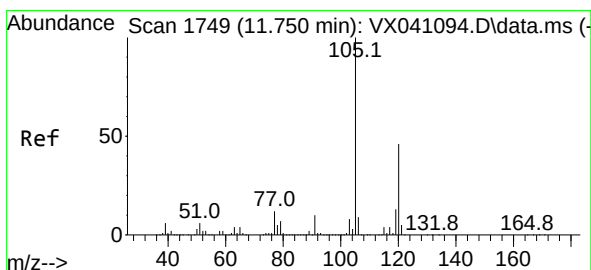
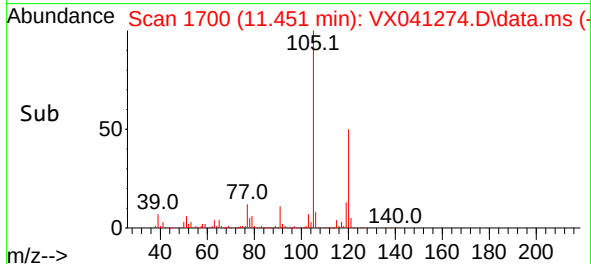
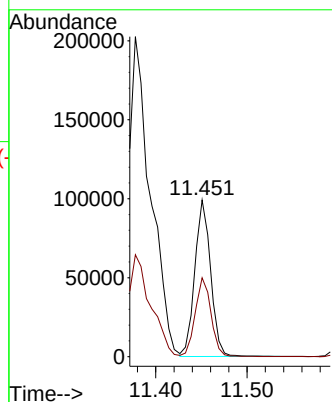
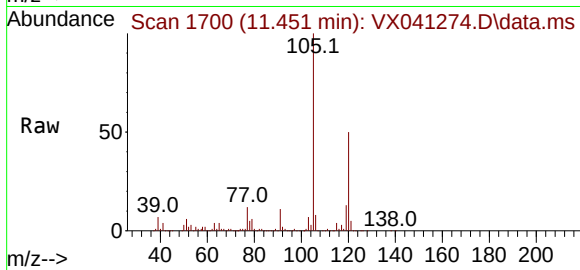
1229

Tgt Ion:105 Resp: 119698

Ion Ratio Lower Upper

105 100

120 50.1 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 69.510 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX041274.D

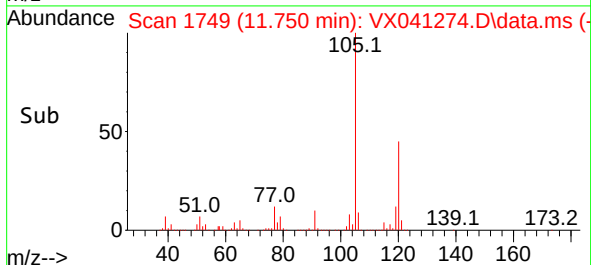
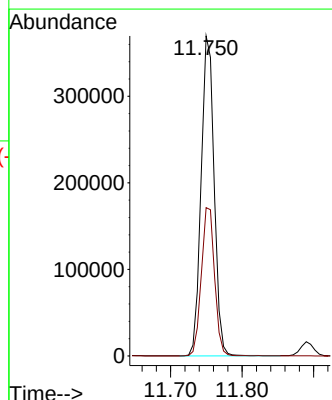
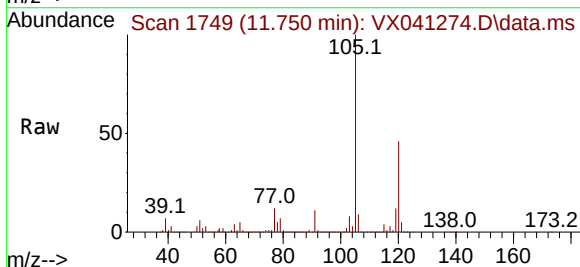
Acq: 29 Apr 2024 14:16

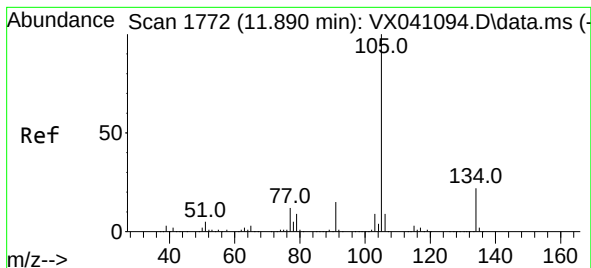
Tgt Ion:105 Resp: 466849

Ion Ratio Lower Upper

105 100

120 47.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 2.461 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

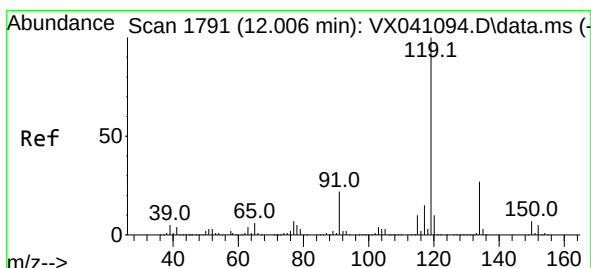
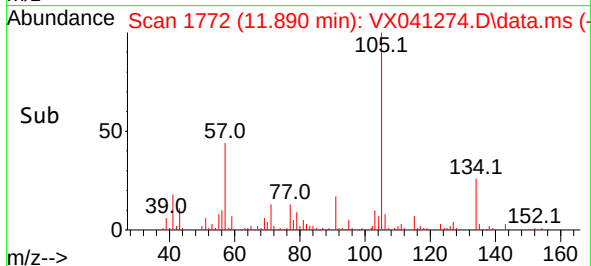
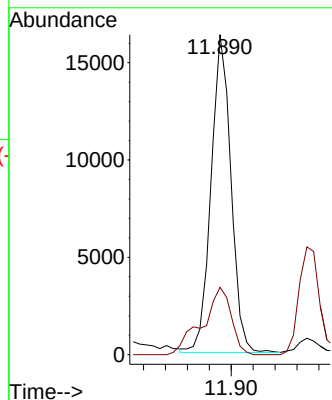
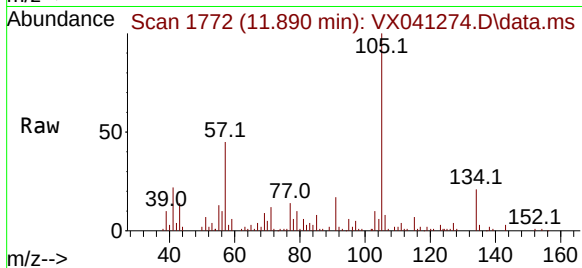
1229

Tgt Ion:105 Resp: 20590

Ion Ratio Lower Upper

105 100

134 30.8 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 1.341 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

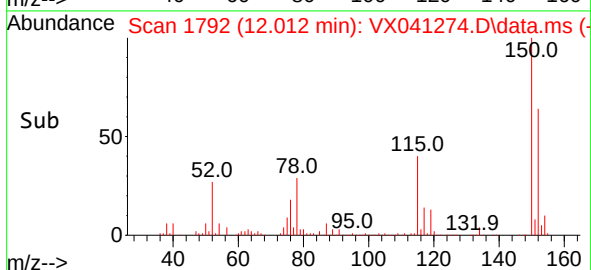
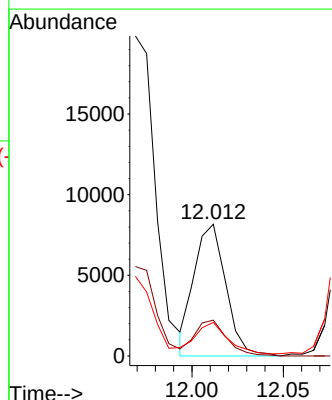
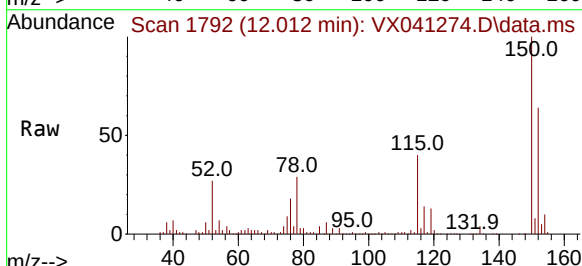
Tgt Ion:119 Resp: 9886

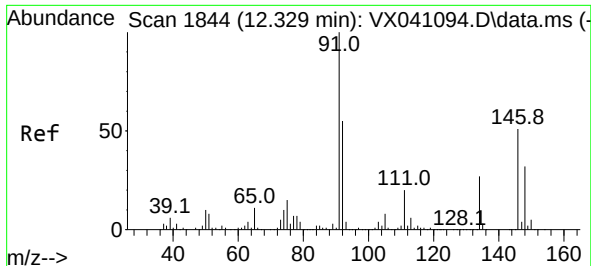
Ion Ratio Lower Upper

119 100

134 27.4 12.8 38.3

91 23.4 13.1 39.3





#89

n-Butylbenzene

Concen: 5.792 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

1229

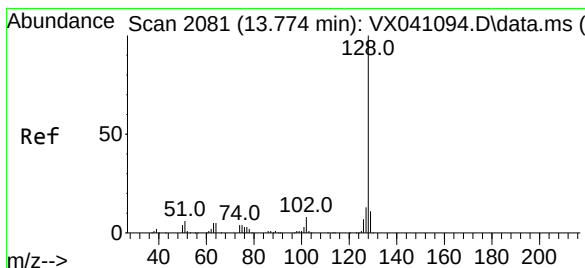
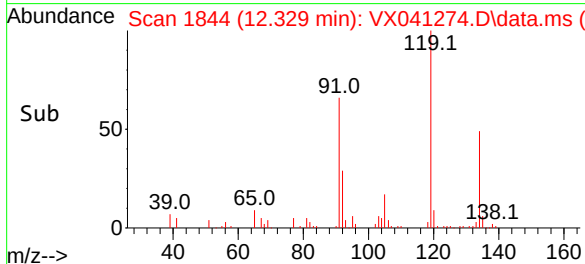
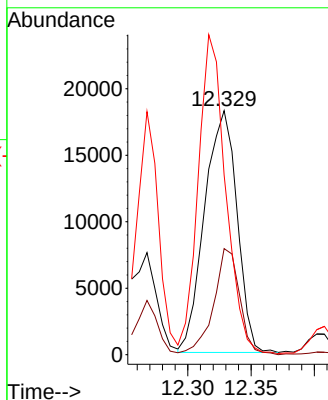
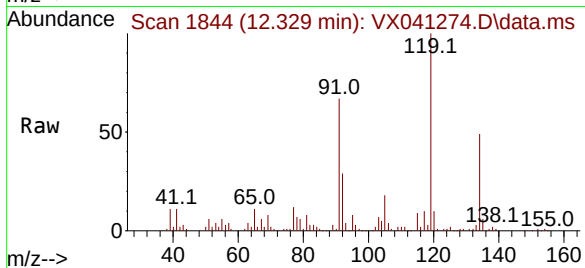
Tgt Ion: 91 Resp: 32427

Ion Ratio Lower Upper

91 100

92 35.2 27.4 82.0

134 111.3 12.6 37.8#



#95

Naphthalene

Concen: 13.665 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX041274.D

Acq: 29 Apr 2024 14:16

Tgt Ion:128 Resp: 115932

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.6 8.8 13.2

