

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072522\
 Data File : VX030197.D
 Acq On : 25 Jul 2022 17:38
 Operator : JC/MD
 Sample : N3806-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-N48964

Quant Time: Jul 25 18:00:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	153613	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	253164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156264	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153903	49.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.700%
35) Dibromofluoromethane	5.391	113	124580	51.477	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.960%
50) Toluene-d8	8.653	98	473163	50.485	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.980%
62) 4-Bromofluorobenzene	11.079	95	167420	48.133	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.260%

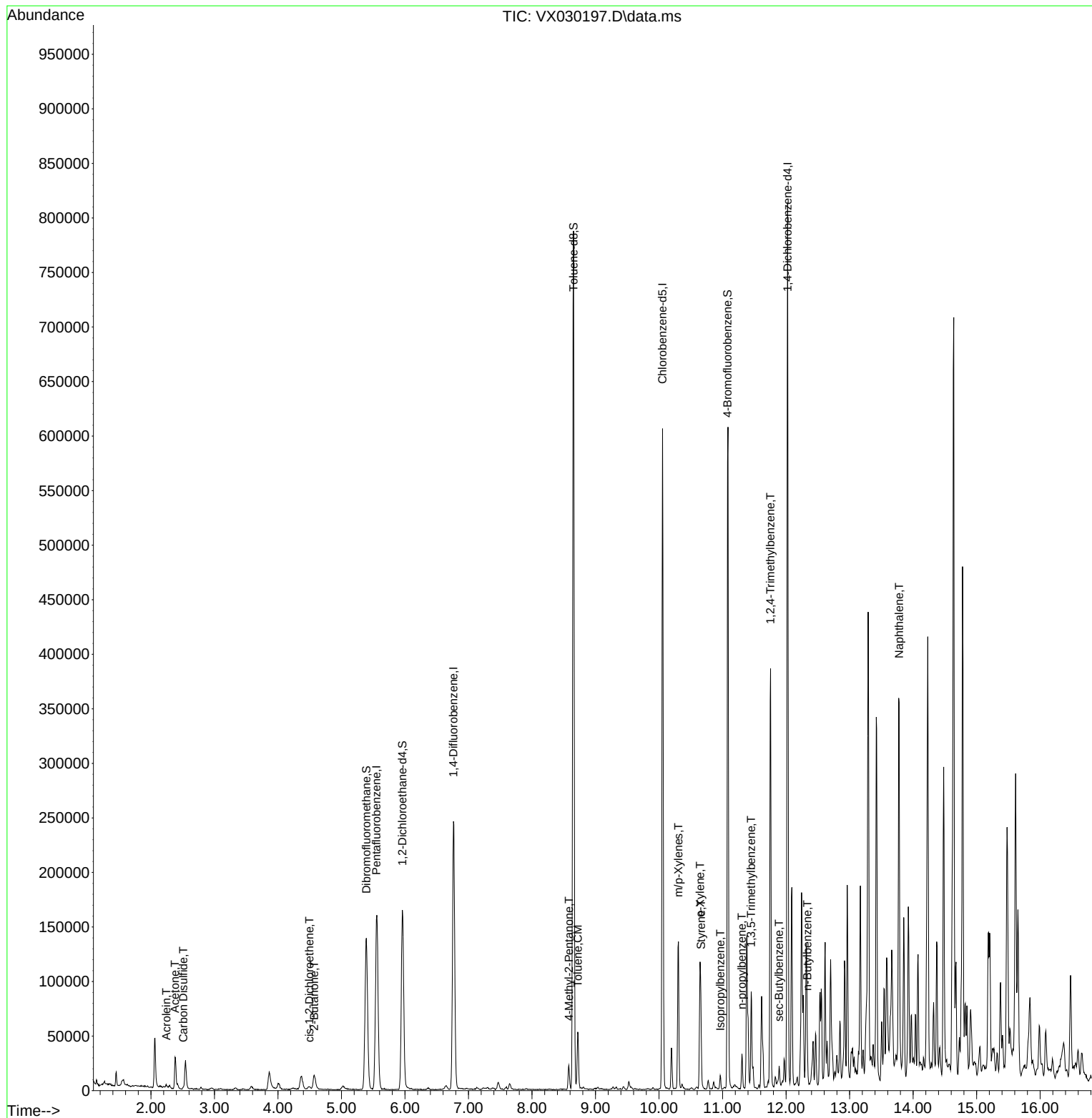
Target Compounds					Qvalue	
13) Acrolein	2.239	56	1317	7.115	ug/l	# 38
16) Acetone	2.380	43	30594	19.354	ug/l	93
17) Carbon Disulfide	2.508	76	2385	0.368	ug/l	# 87
25) 2-Butanone	4.568	43	21528	8.104	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	1548	0.497	ug/l	80
51) 4-Methyl-2-Pentanone	8.580	43	13111	2.671	ug/l	97
52) Toluene	8.720	92	19030	2.846	ug/l	98
68) m/p-Xylenes	10.305	106	31370	6.472	ug/l	92
69) o-Xylene	10.646	106	20344	4.259	ug/l	99
70) Styrene	10.659	104	26577	3.386	ug/l	98
73) Isopropylbenzene	10.964	105	6154	0.504	ug/l	97
78) n-propylbenzene	11.305	91	18751	1.288	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	36737	3.596	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	166467	16.335	ug/l	98
85) sec-Butylbenzene	11.890	105	7197	0.555	ug/l	88
89) n-Butylbenzene	12.335	91	19298	1.999	ug/l	# 31
95) Naphthalene	13.780	128	217818	17.593	ug/l	99

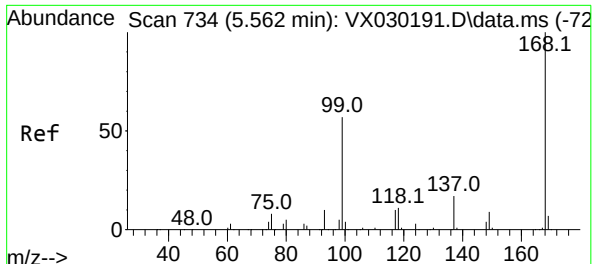
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration

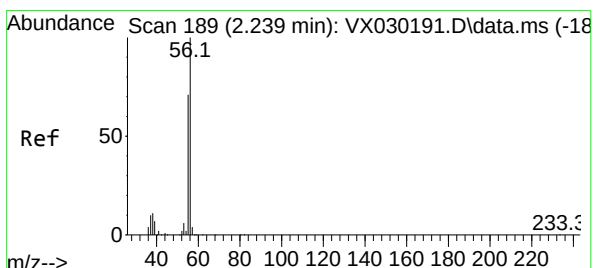
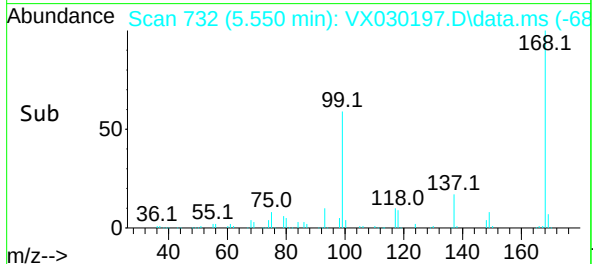
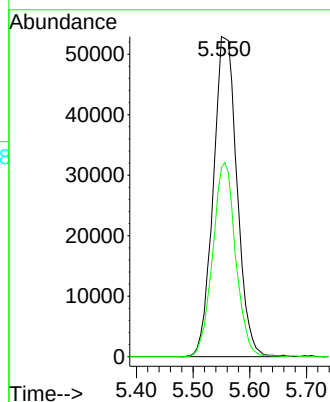
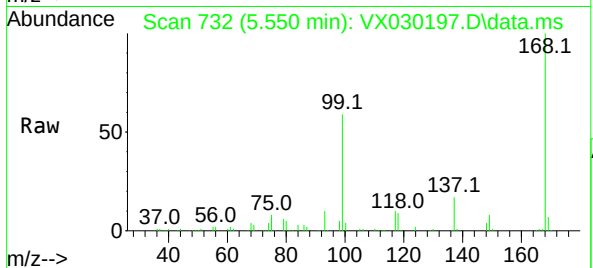




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

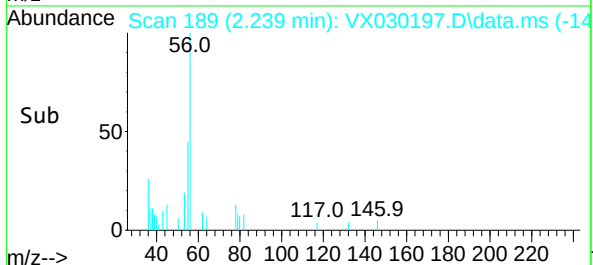
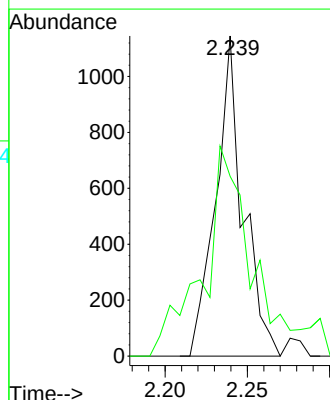
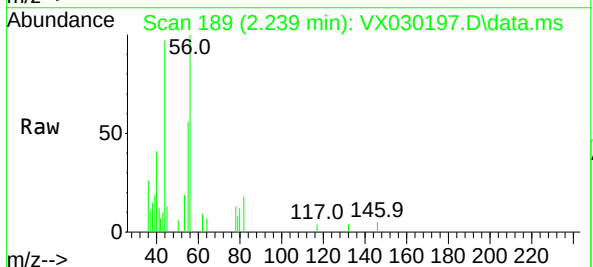
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-N48964

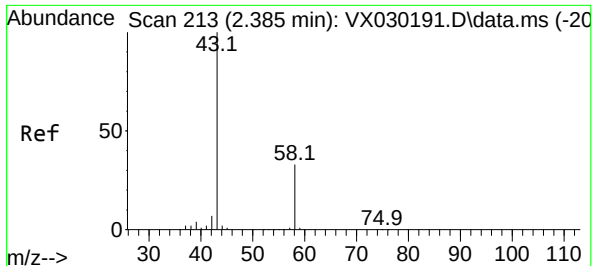
Tgt Ion:168 Resp: 153613
Ion Ratio Lower Upper
168 100
99 59.1 44.0 66.0



#13
Acrolein
Concen: 7.115 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion: 56 Resp: 1317
Ion Ratio Lower Upper
56 100
55 121.7 56.6 84.8#

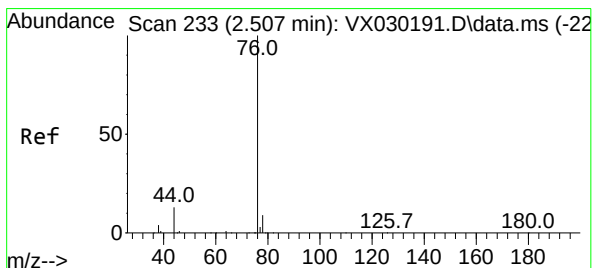
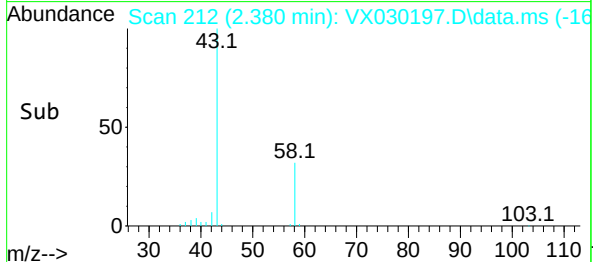
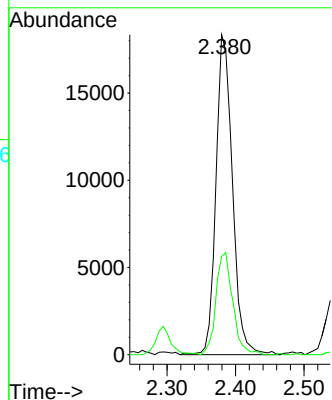
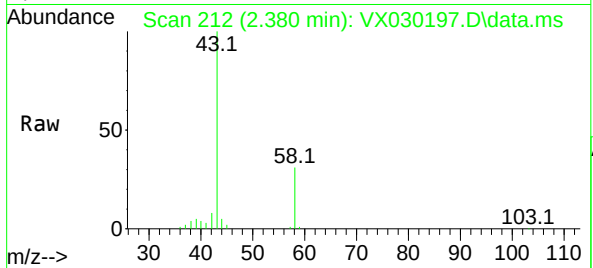




#16
Acetone
Concen: 19.354 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

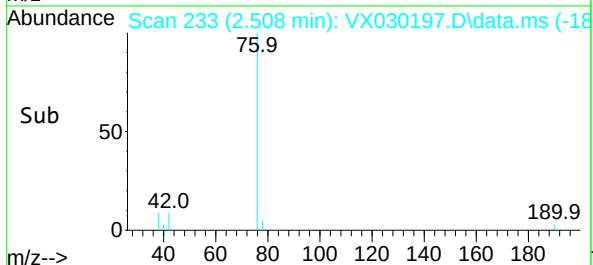
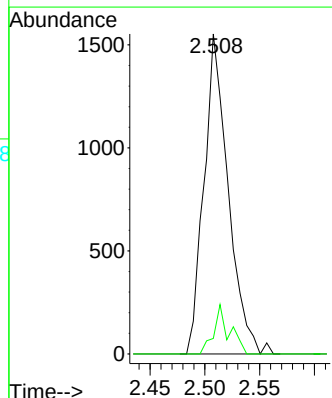
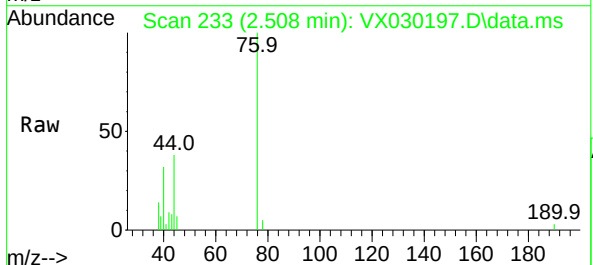
Instrument :
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ClientSampleId :
FRAC-TANK-N48964

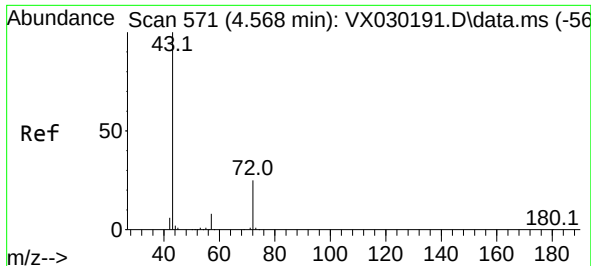
Tgt Ion: 43 Resp: 30594
Ion Ratio Lower Upper
43 100
58 30.3 27.7 41.5



#17
Carbon Disulfide
Concen: 0.368 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion: 76 Resp: 2385
Ion Ratio Lower Upper
76 100
78 4.8 7.8 11.6#

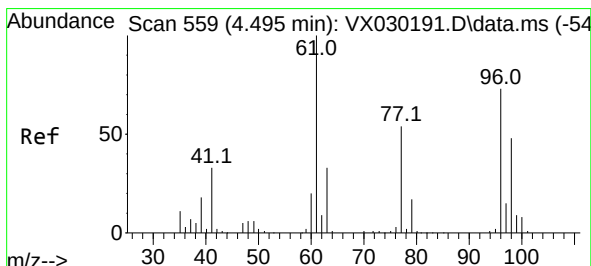
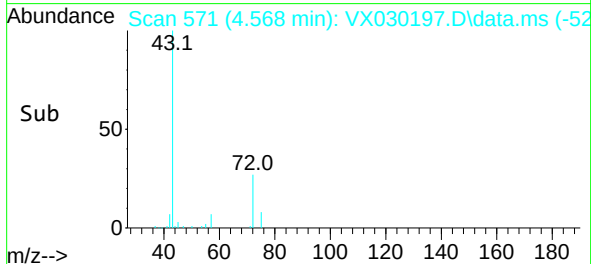
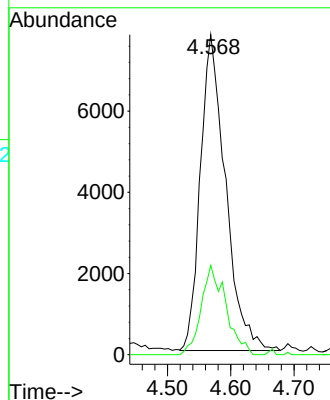
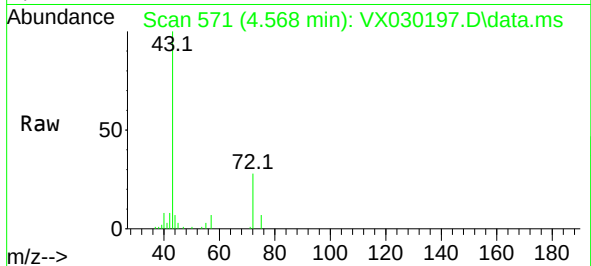




#25
2-Butanone
Concen: 8.104 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

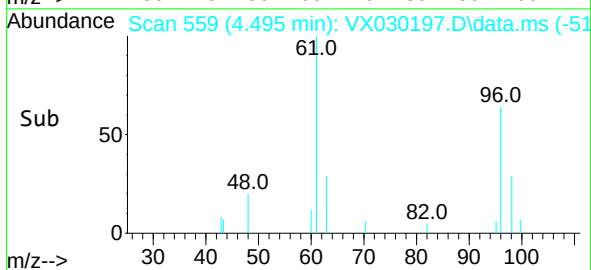
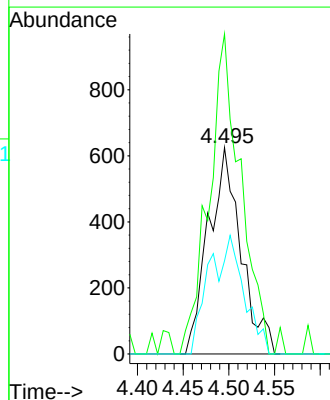
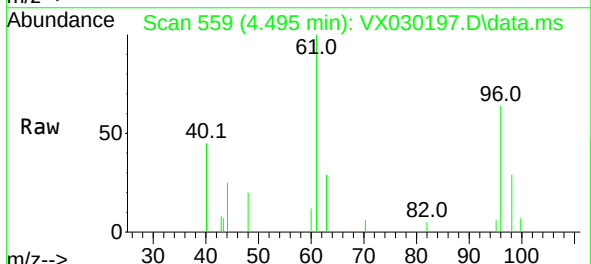
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-N48964

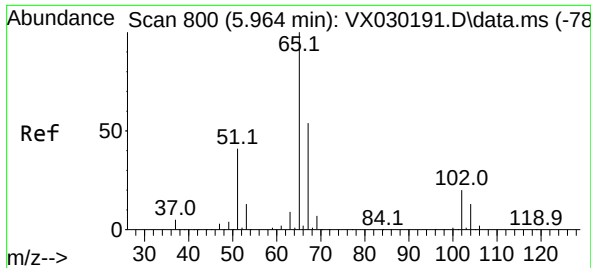
Tgt Ion: 43 Resp: 21528
Ion Ratio Lower Upper
43 100
72 28.3 21.7 32.5



#27
cis-1,2-Dichloroethene
Concen: 0.497 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion: 96 Resp: 1548
Ion Ratio Lower Upper
96 100
61 151.1 0.0 270.0
98 36.8 0.0 127.8





#33

1,2-Dichloroethane-d4

Concen: 49.847 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030197.D

Acq: 25 Jul 2022 17:38

Instrument :

MSVOA_X

ClientSampleId :

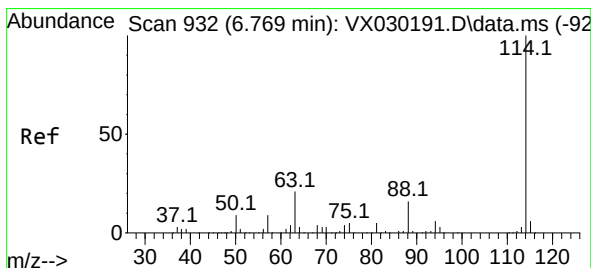
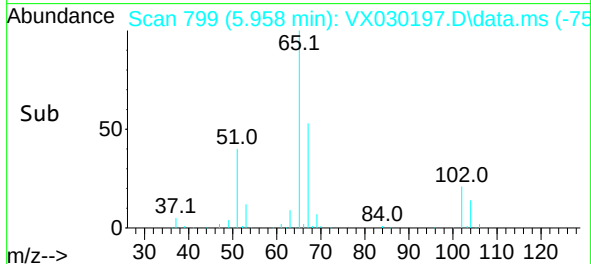
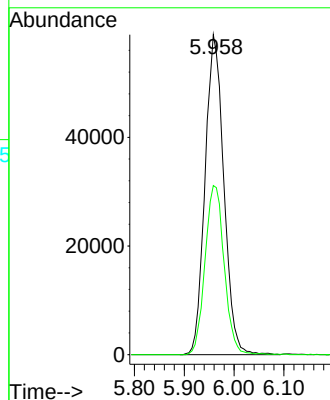
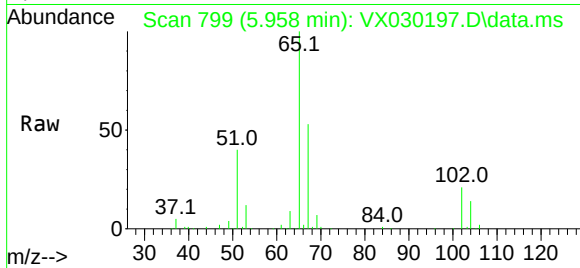
FRAC-TANK-N48964

Tgt Ion: 65 Resp: 153903

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030197.D

Acq: 25 Jul 2022 17:38

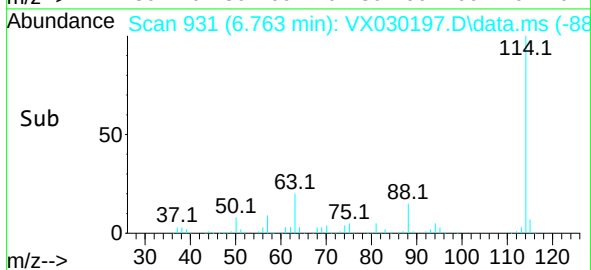
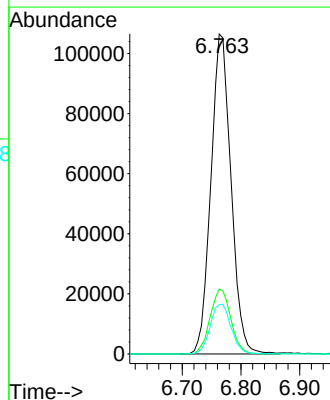
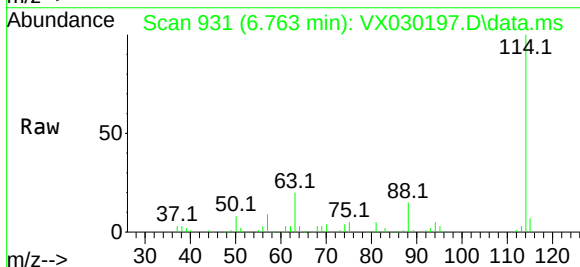
Tgt Ion: 114 Resp: 253164

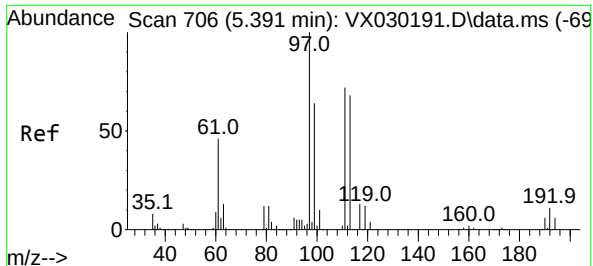
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.477 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030197.D

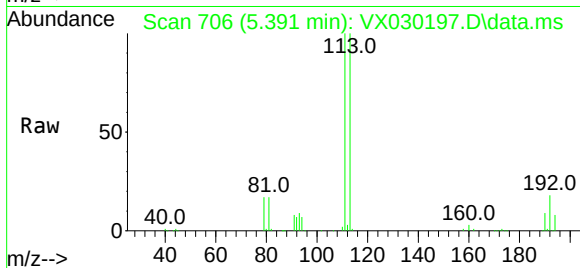
Acq: 25 Jul 2022 17:38

Instrument :

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ClientSampleId :

FRAC-TANK-N48964



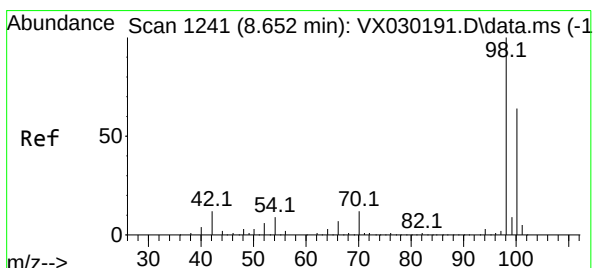
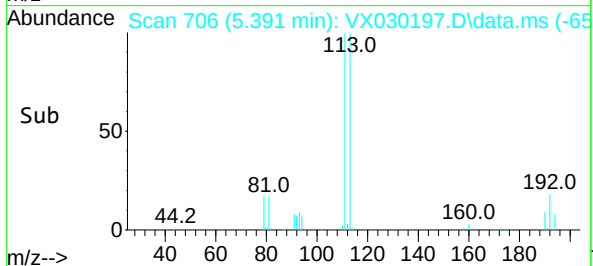
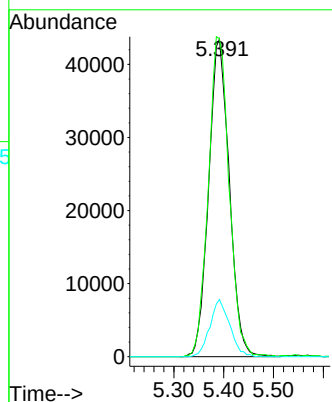
Tgt Ion:113 Resp: 124580

Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

192 17.4 14.8 22.2



#50

Toluene-d8

Concen: 50.485 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030197.D

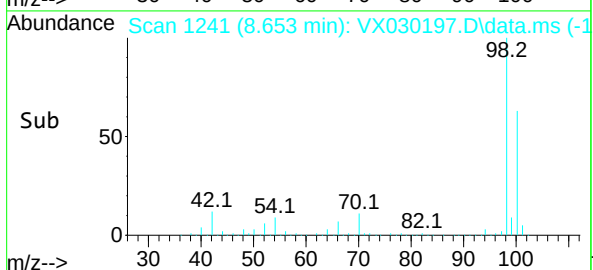
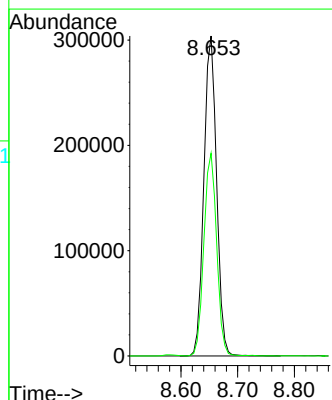
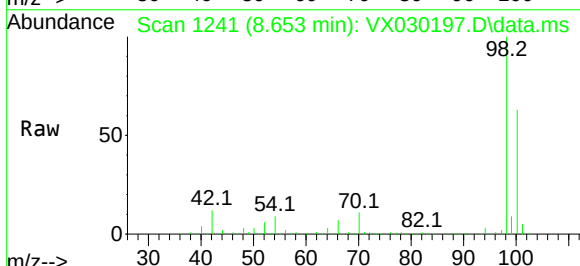
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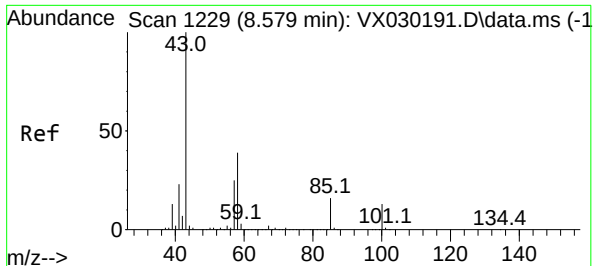
Tgt Ion: 98 Resp: 473163

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5

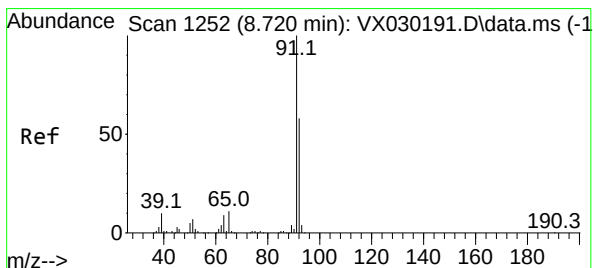
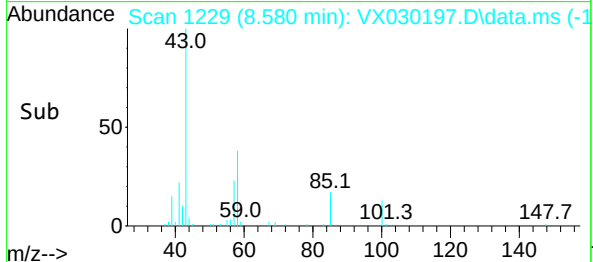
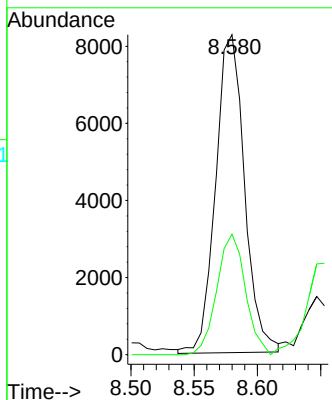
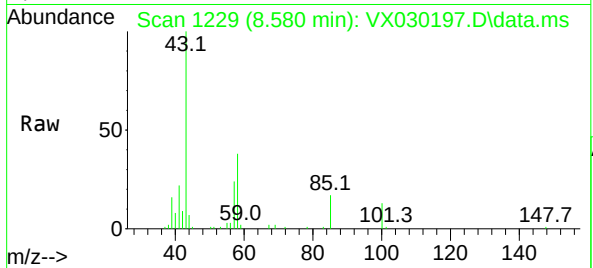




#51
4-Methyl-2-Pentanone
Concen: 2.671 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.001 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

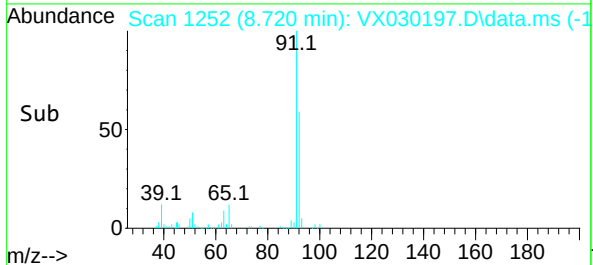
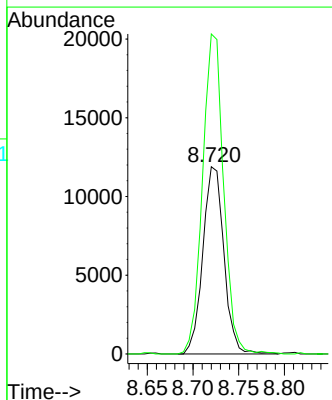
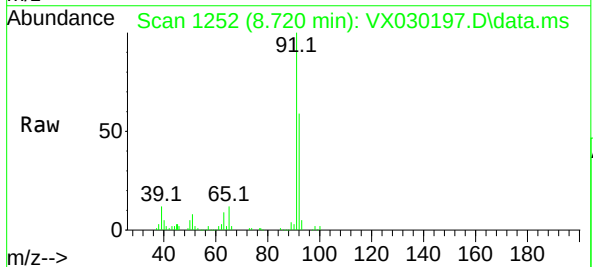
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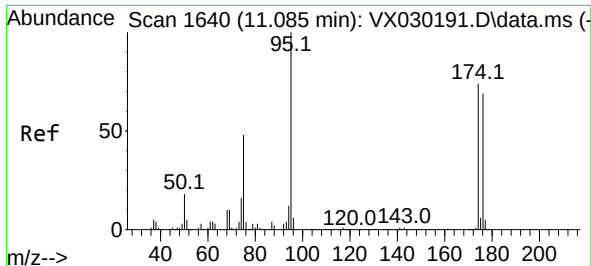
Tgt Ion: 43 Resp: 13111
Ion Ratio Lower Upper
43 100
58 37.3 31.4 47.2



#52
Toluene
Concen: 2.846 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion: 92 Resp: 19030
Ion Ratio Lower Upper
92 100
91 171.0 139.2 208.8

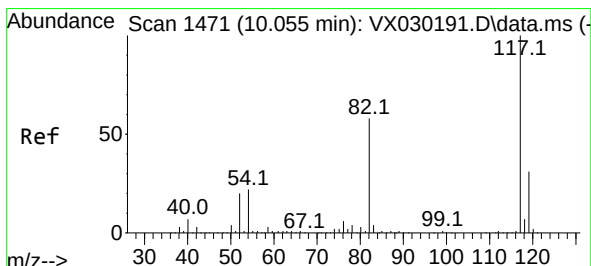
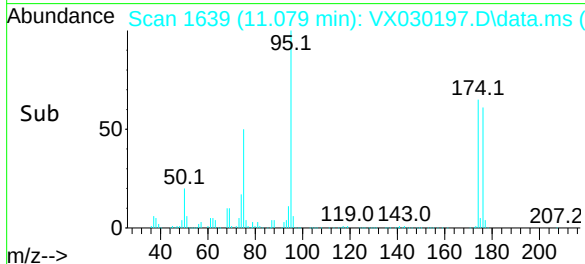
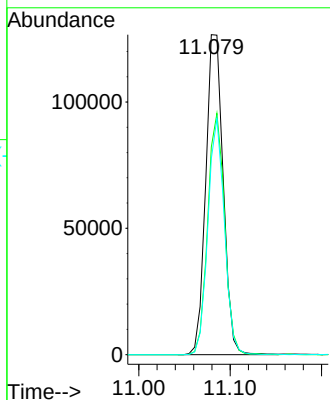
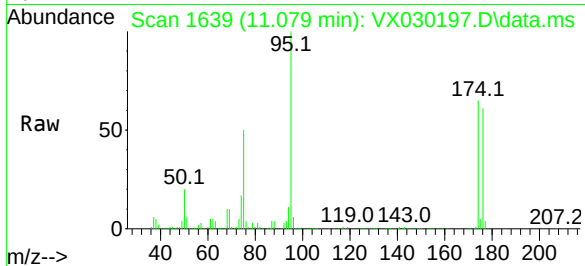




#62
4-Bromofluorobenzene
Concen: 48.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

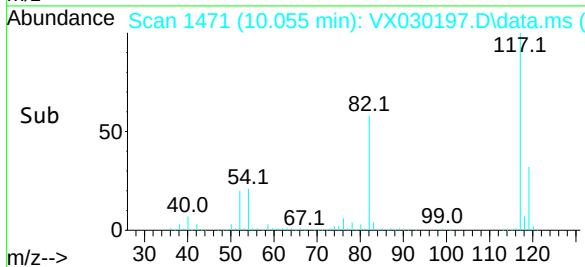
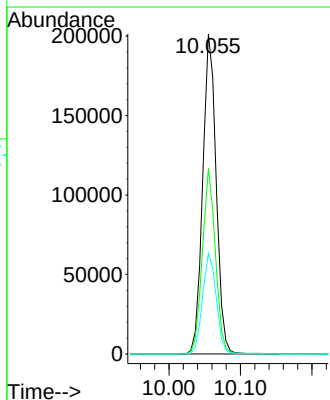
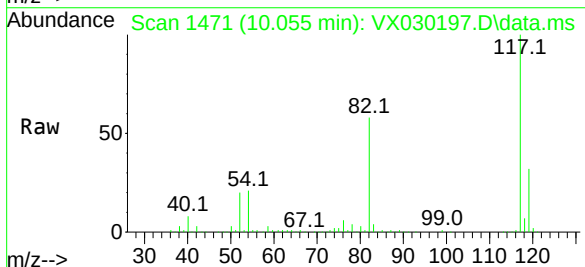
Instrument :
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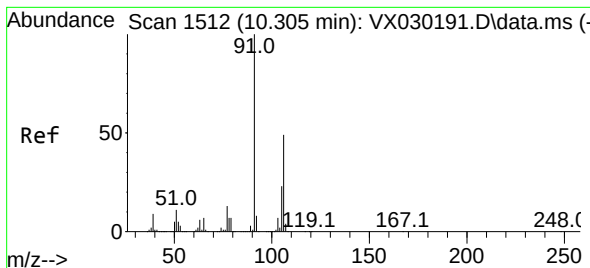
Tgt Ion: 95 Resp: 167420
Ion Ratio Lower Upper
95 100
174 73.0 0.0 149.0
176 69.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion: 117 Resp: 263398
Ion Ratio Lower Upper
117 100
82 57.9 42.7 64.1
119 31.5 25.4 38.2





#68

m/p-Xylenes

Concen: 6.472 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX030197.D

Acq: 25 Jul 2022 17:38

Instrument :

MSVOA_X

ClientSampleId :

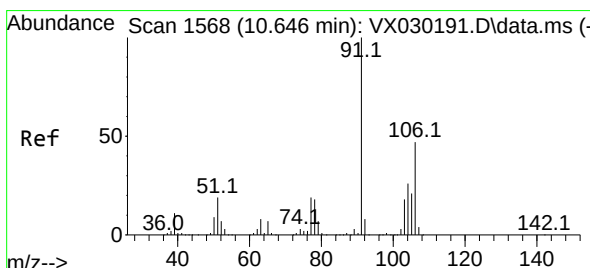
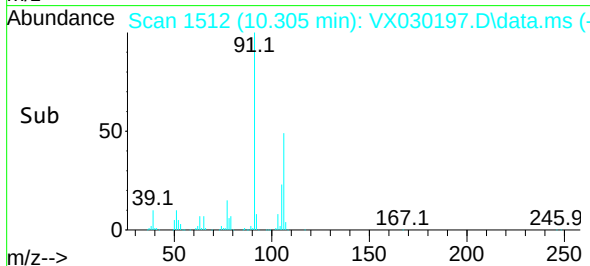
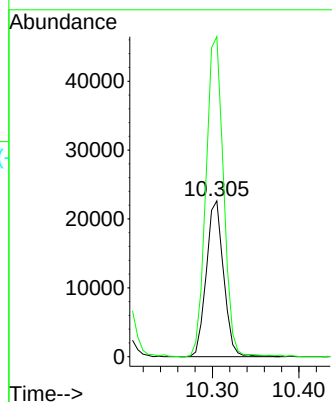
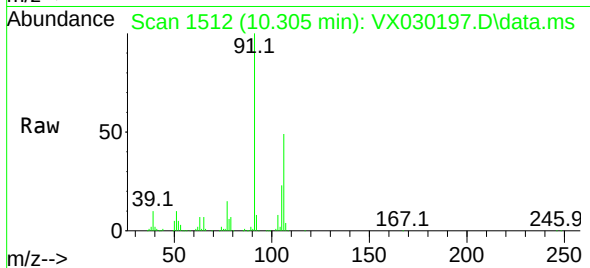
FRAC-TANK-N48964

Tgt Ion:106 Resp: 31370

Ion Ratio Lower Upper

106 100

91 209.3 158.2 237.4



#69

o-Xylene

Concen: 4.259 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VX030197.D

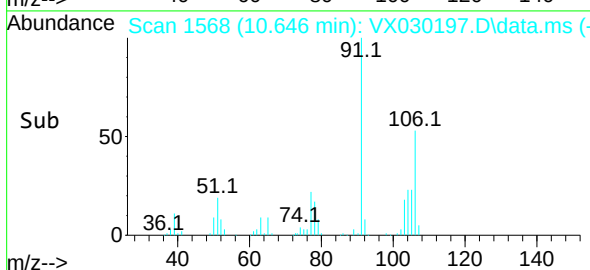
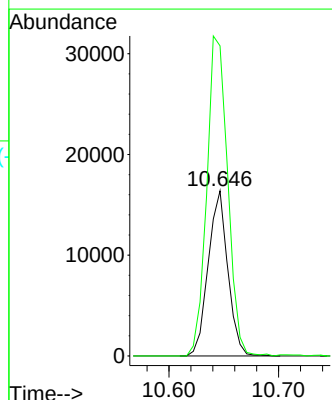
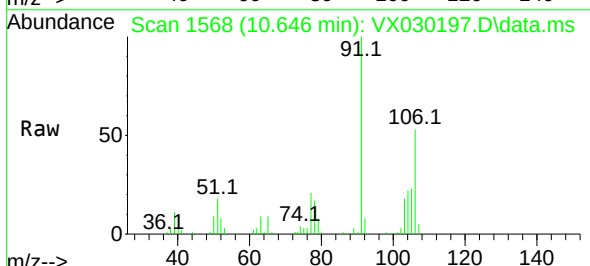
Acq: 25 Jul 2022 17:38

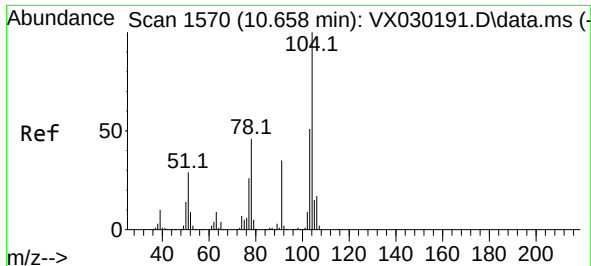
Tgt Ion:106 Resp: 20344

Ion Ratio Lower Upper

106 100

91 206.6 103.8 311.6

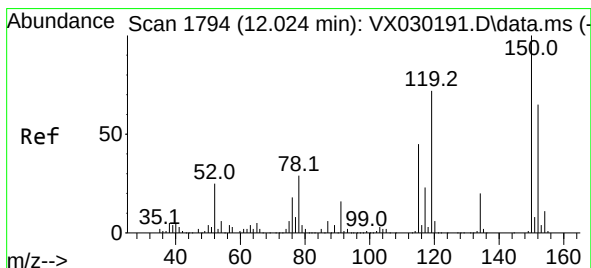
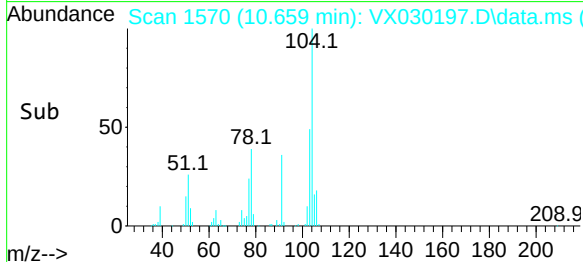
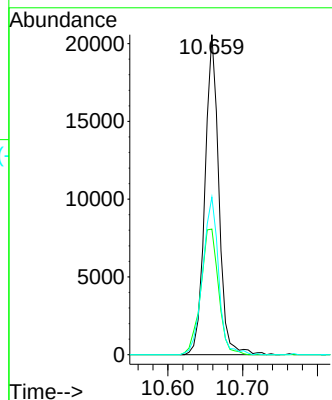
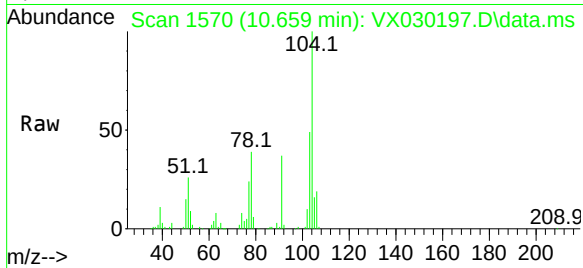




#70
Styrene
Concen: 3.386 ug/l
RT: 10.659 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

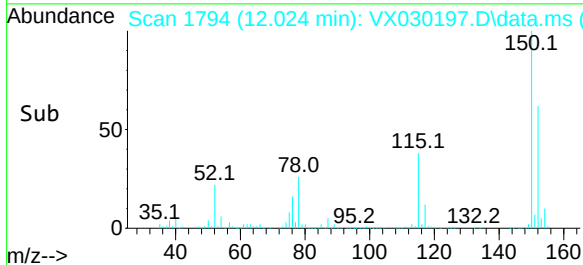
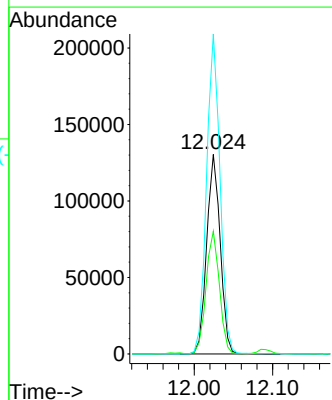
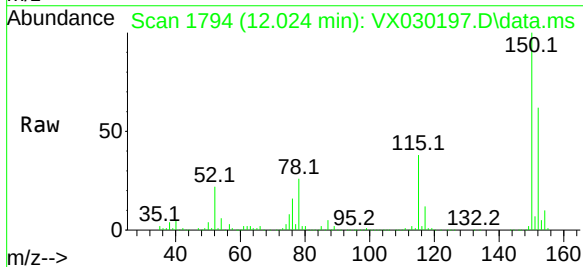
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-N48964

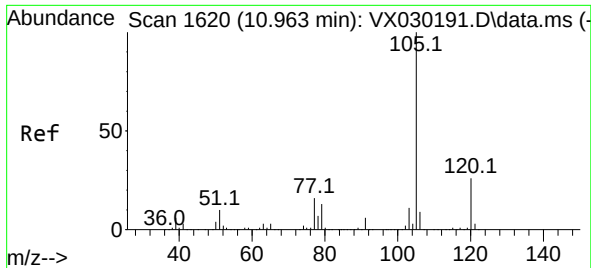
Tgt Ion:104 Resp: 26577
Ion Ratio Lower Upper
104 100
78 50.1 37.8 56.8
103 56.3 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion:152 Resp: 156264
Ion Ratio Lower Upper
152 100
115 60.3 40.5 121.5
150 158.9 0.0 347.0

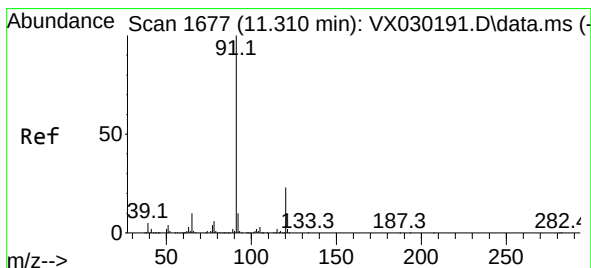
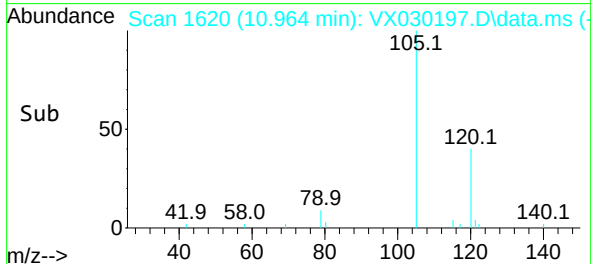
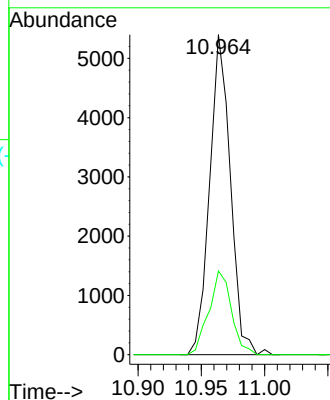
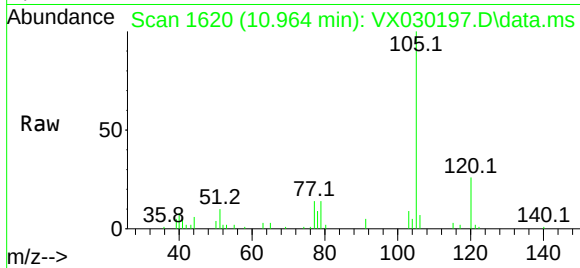




#73
Isopropylbenzene
Concen: 0.504 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

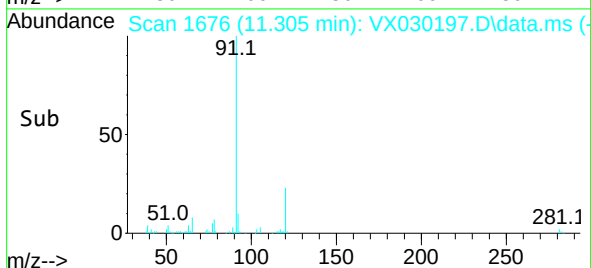
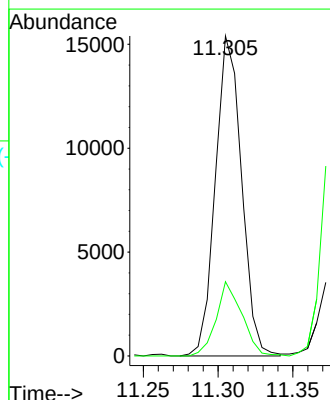
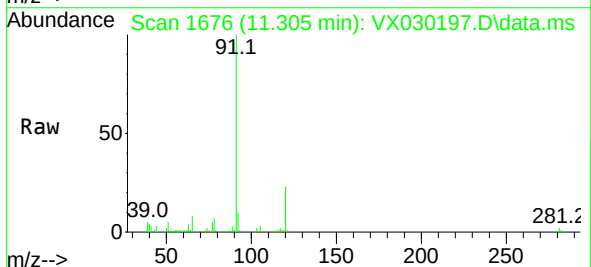
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-N48964

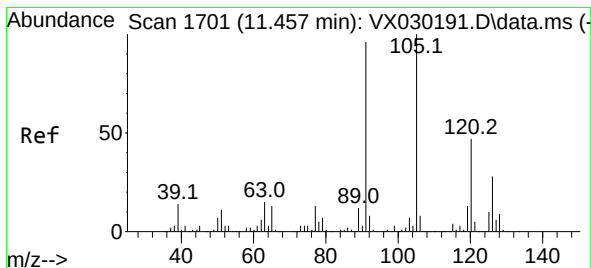
Tgt Ion:105 Resp: 6154
Ion Ratio Lower Upper
105 100
120 28.4 13.5 40.4



#78
n-propylbenzene
Concen: 1.288 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.005 min
Lab File: VX030197.D
Acq: 25 Jul 2022 17:38

Tgt Ion: 91 Resp: 18751
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 3.596 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX030197.D

Acq: 25 Jul 2022 17:38

Instrument :

MSVOA_X

ClientSampleId :

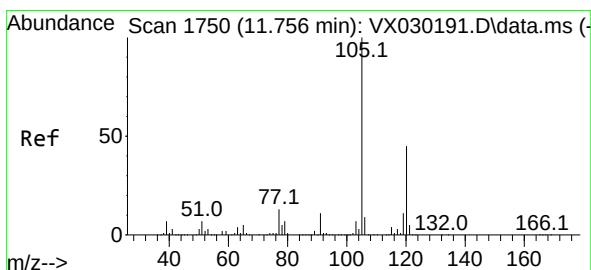
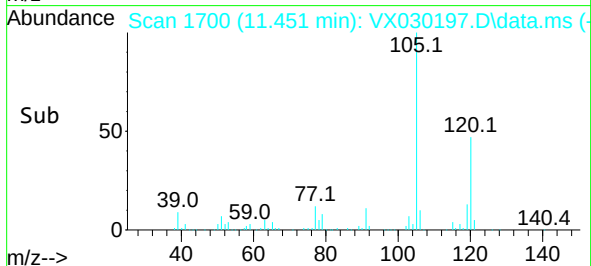
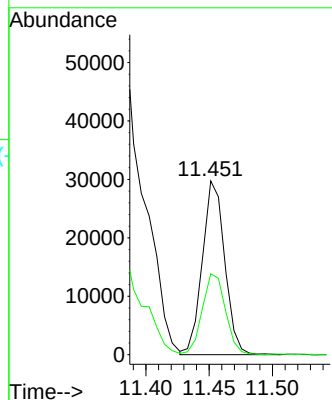
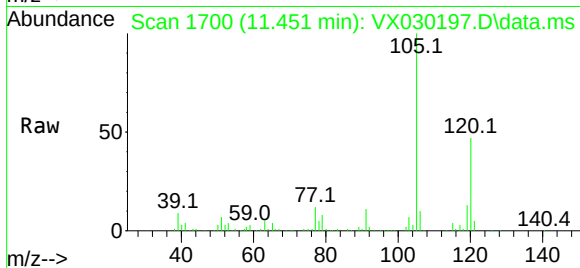
FRAC-TANK-N48964

Tgt Ion:105 Resp: 36737

Ion Ratio Lower Upper

105 100

120 48.2 24.4 73.2



#84

1,2,4-Trimethylbenzene

Concen: 16.335 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX030197.D

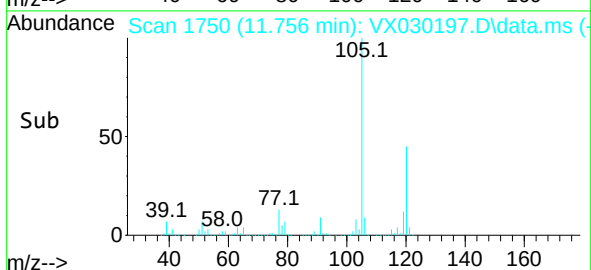
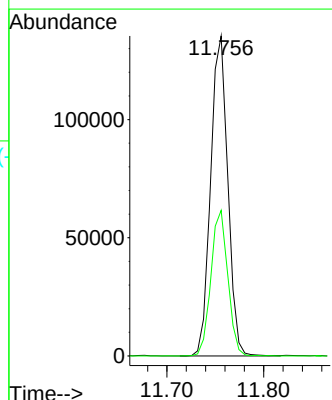
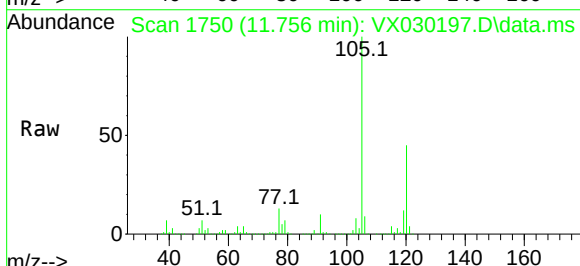
Acq: 25 Jul 2022 17:38

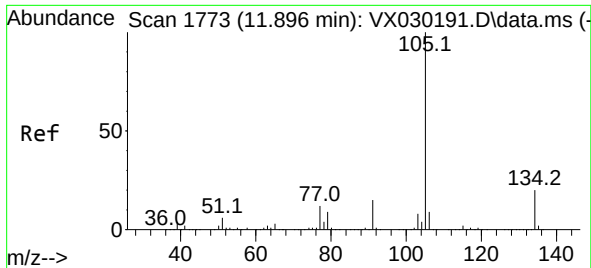
Tgt Ion:105 Resp: 166467

Ion Ratio Lower Upper

105 100

120 44.9 22.9 68.8

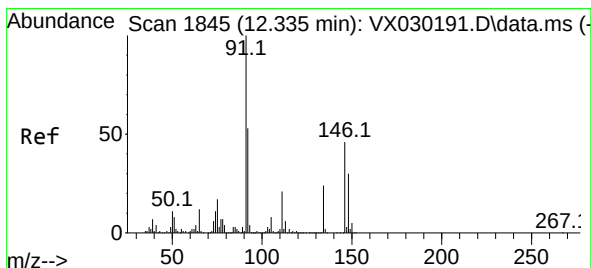
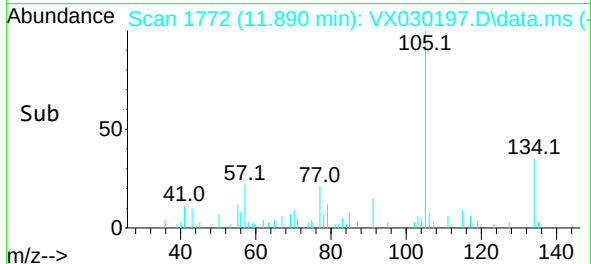
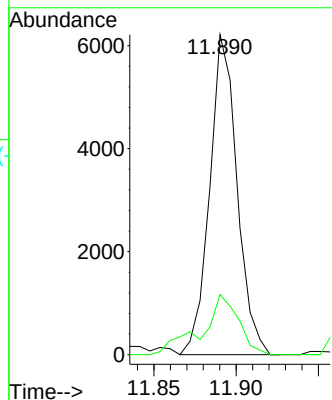
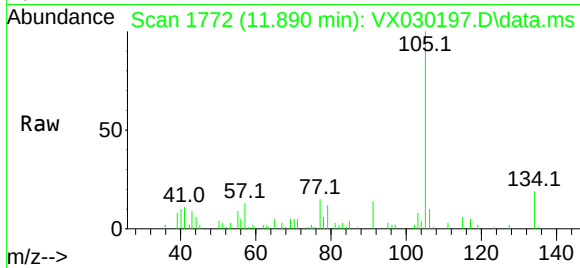




#85
 sec-Butylbenzene
 Concen: 0.555 ug/l
 RT: 11.890 min Scan# 1177
 Delta R.T. -0.006 min
 Lab File: VX030197.D
 Acq: 25 Jul 2022 17:38

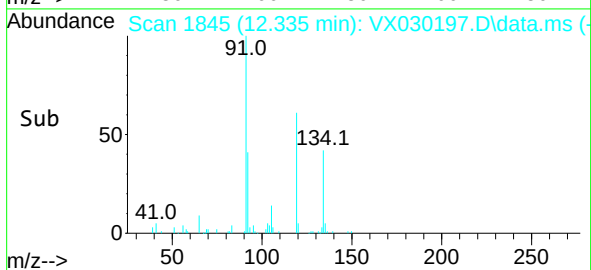
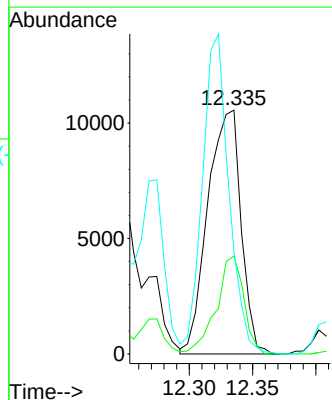
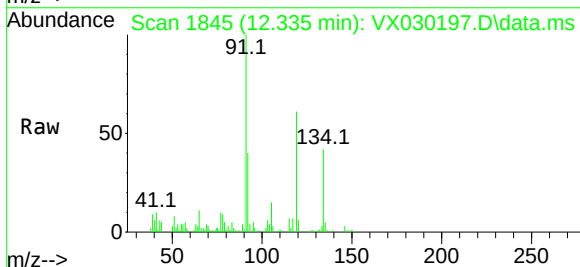
Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-N48964

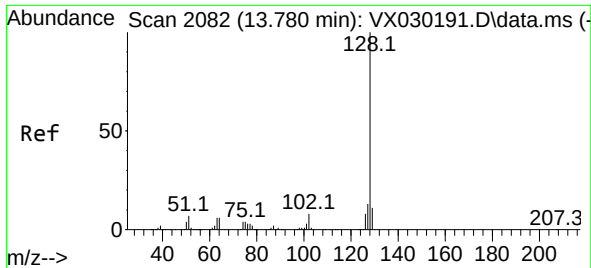
Tgt Ion:105 Resp: 7197
 Ion Ratio Lower Upper
 105 100
 134 25.4 10.0 30.0



#89
 n-Butylbenzene
 Concen: 1.999 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX030197.D
 Acq: 25 Jul 2022 17:38

Tgt Ion: 91 Resp: 19298
 Ion Ratio Lower Upper
 91 100
 92 33.1 26.2 78.5
 134 104.3 12.6 37.8#





#95

Naphthalene

Concen: 17.593 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030197.D

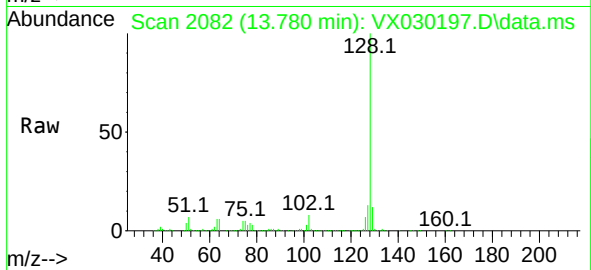
Acq: 25 Jul 2022 17:38

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-N48964



Tgt Ion:128 Resp: 217818

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.5 8.6 13.0

