

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039508.D
 Acq On : 28 Dec 2023 12:06
 Operator : JC/MD
 Sample : 06024-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A2421-FRAC-TANK

Quant Time: Dec 28 22:47:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

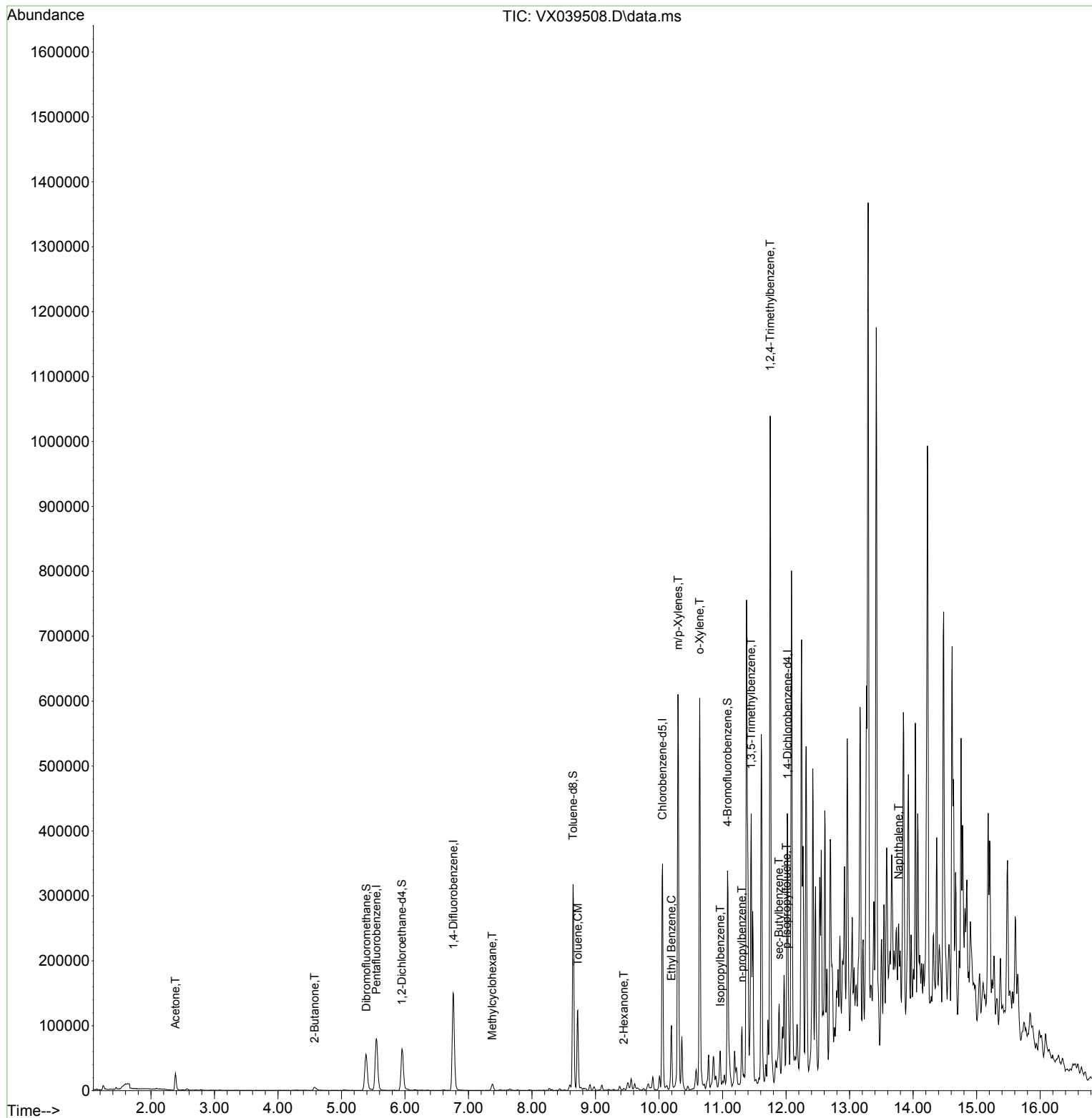
Internal Standards						
1) Pentafluorobenzene	5.550	168	69456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	146098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	148905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60824	47.803	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.600%
35) Dibromofluoromethane	5.391	113	48912	48.461	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.920%
50) Toluene-d8	8.647	98	184520	49.243	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.480%
62) 4-Bromofluorobenzene	11.079	95	79373	51.339	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.680%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	27315	14.974	ug/l #	87
25) 2-Butanone	4.574	43	10903	9.930	ug/l	100
39) Methylcyclohexane	7.373	83	3997	2.089	ug/l	95
52) Toluene	8.720	92	46115	16.958	ug/l	97
59) 2-Hexanone	9.445	43	1995	1.134	ug/l	95
67) Ethyl Benzene	10.195	91	53857	8.902	ug/l	98
68) m/p-Xylenes	10.299	106	129508	59.704	ug/l	95
69) o-Xylene	10.640	106	119809	57.125	ug/l	95
73) Isopropylbenzene	10.963	105	26089	4.846	ug/l	100
78) n-propylbenzene	11.305	91	55554	8.374	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	161213	35.148	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	417590	88.780	ug/l	100
85) sec-Butylbenzene	11.890	105	34911	6.285	ug/l	93
86) p-Isopropyltoluene	12.006	119	26735	5.735	ug/l	97
95) Naphthalene	13.774	128	64051	12.550	ug/l #	94

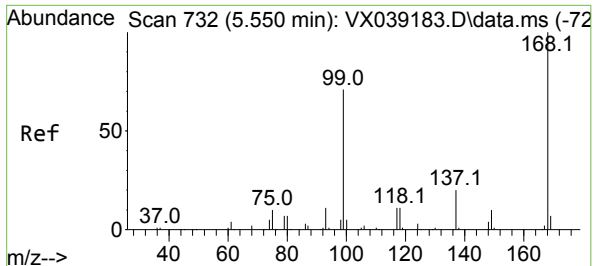
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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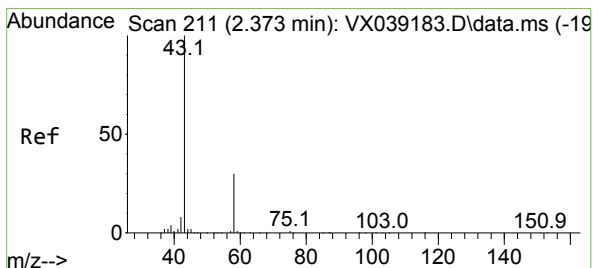
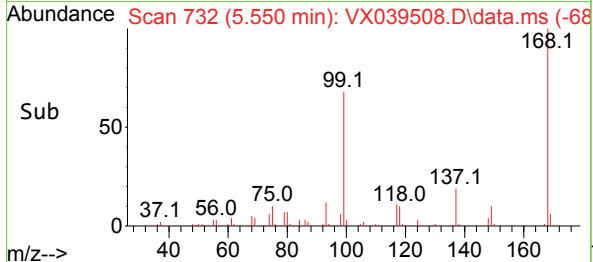
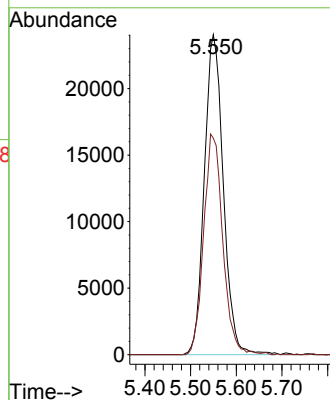
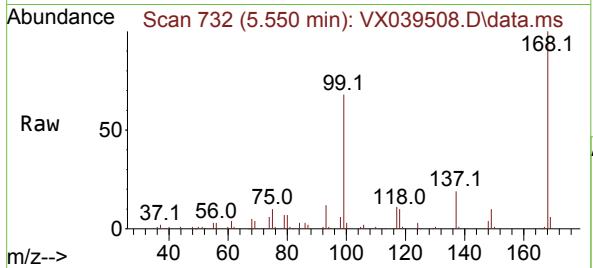




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

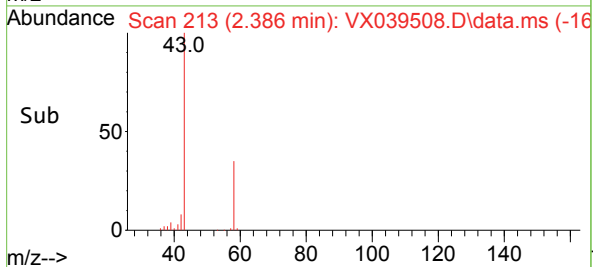
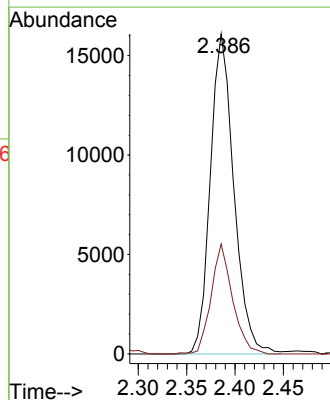
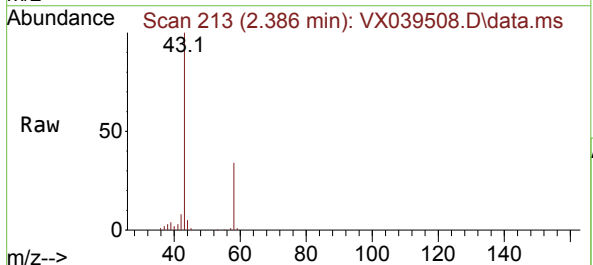
Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK

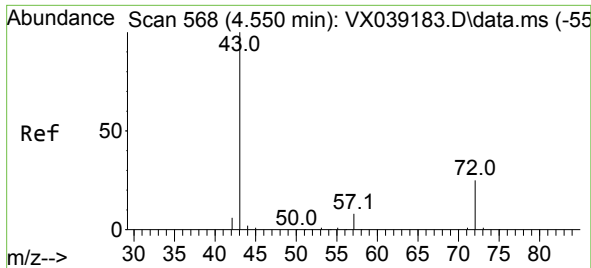
Tgt Ion:168 Resp: 69456
Ion Ratio Lower Upper
168 100
99 67.6 56.6 85.0



#16
Acetone
Concen: 14.974 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 43 Resp: 27315
Ion Ratio Lower Upper
43 100
58 34.4 21.9 32.9#

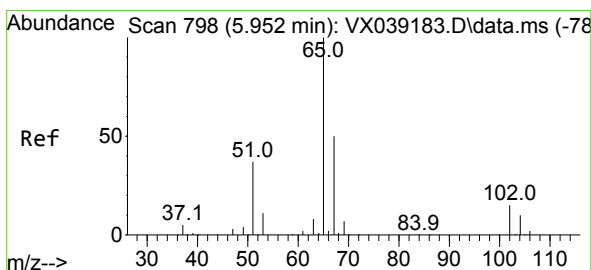
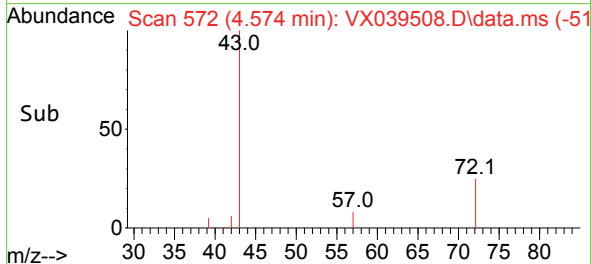
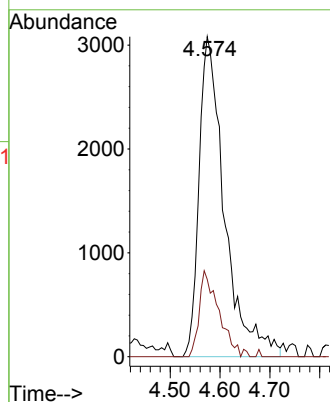
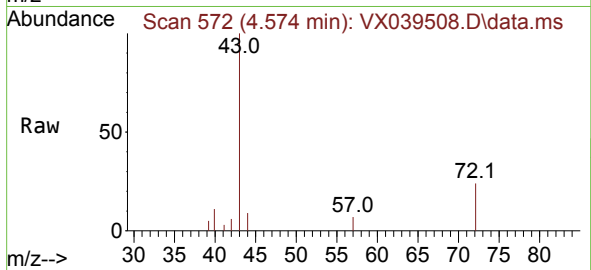




#25
2-Butanone
Concen: 9.930 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

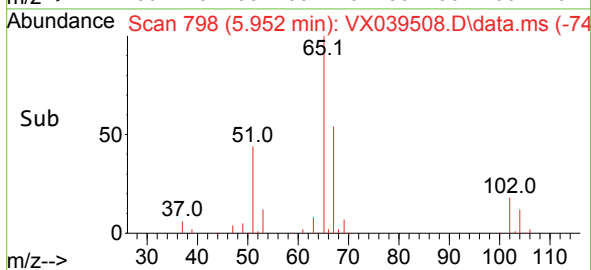
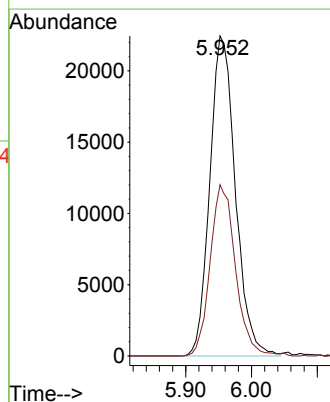
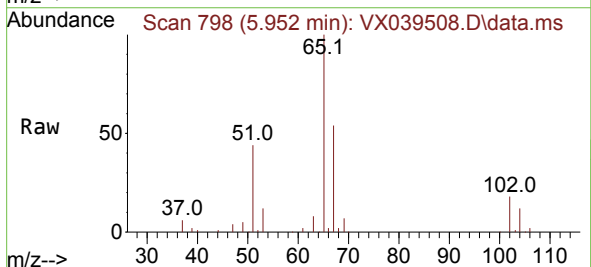
Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK

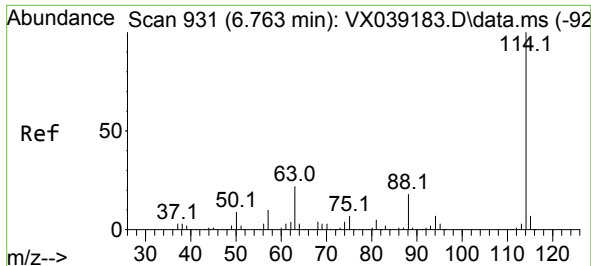
Tgt Ion: 43 Resp: 10903
Ion Ratio Lower Upper
43 100
72 24.2 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 47.803 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 65 Resp: 60824
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

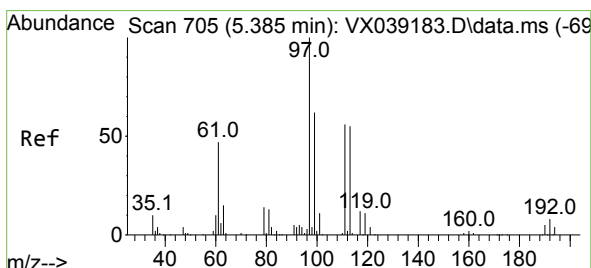
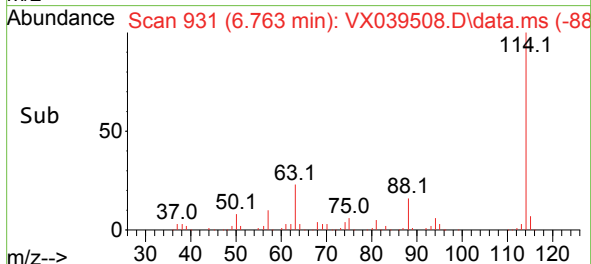
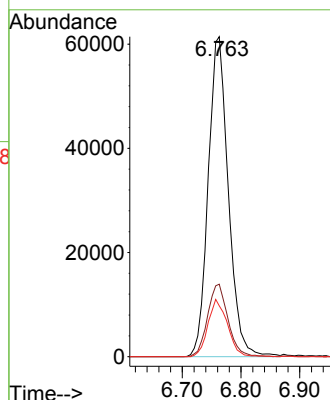
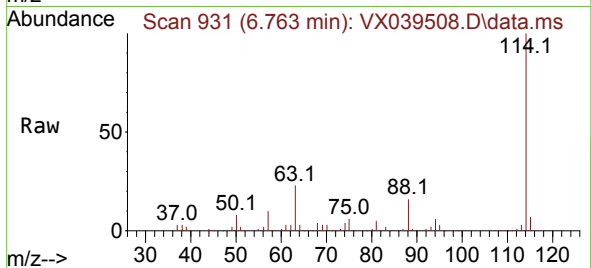




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

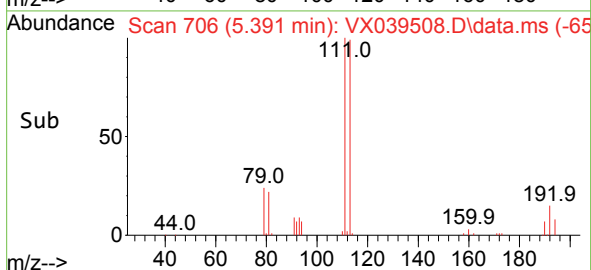
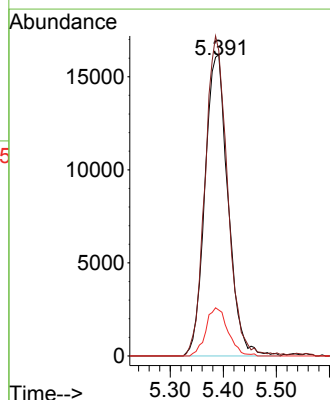
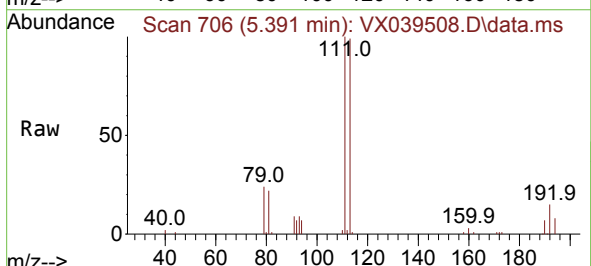
Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK

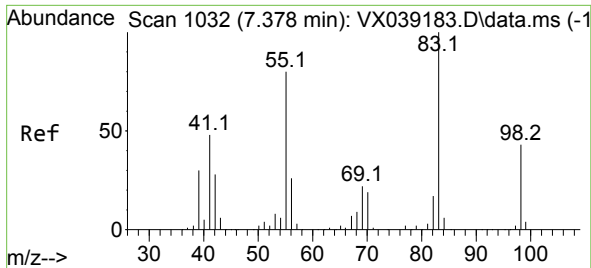
Tgt Ion:114 Resp: 146098
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.461 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion:113 Resp: 48912
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 15.3 13.3 19.9

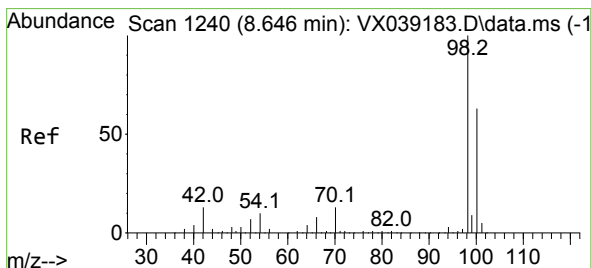
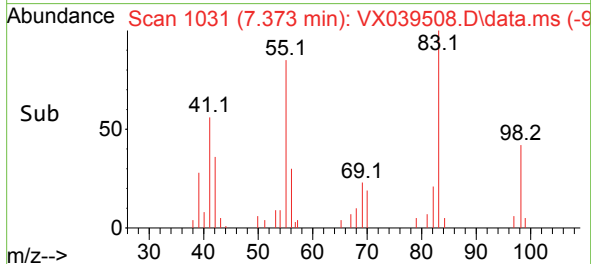
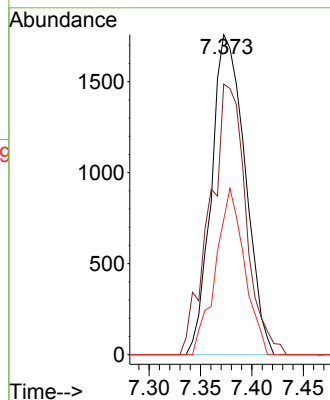
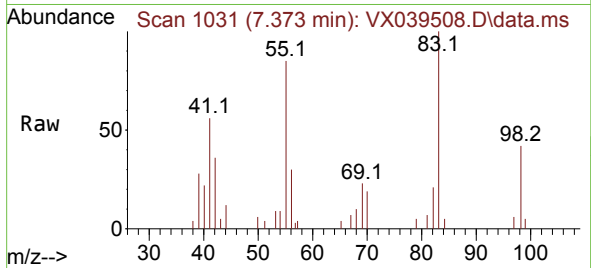




#39
Methylcyclohexane
Concen: 2.089 ug/l
RT: 7.373 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

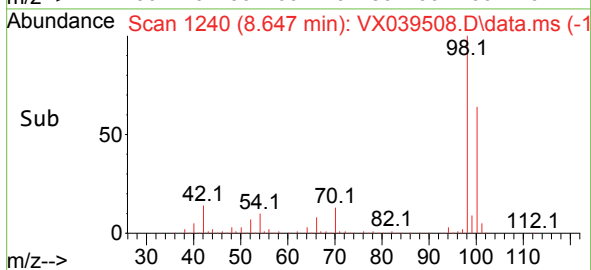
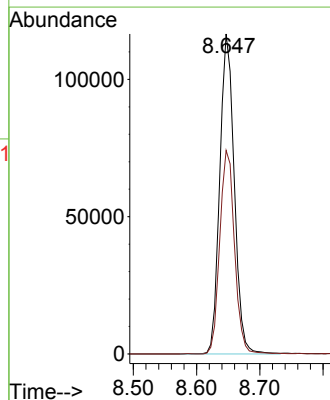
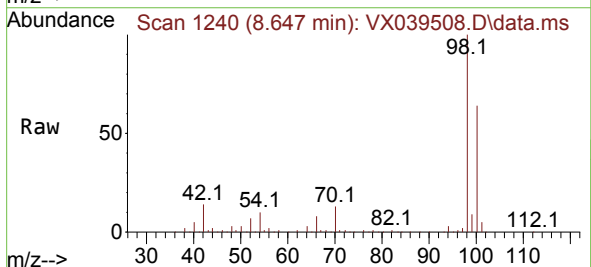
Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK

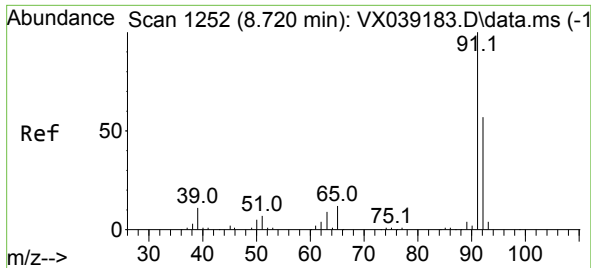
Tgt Ion: 83 Resp: 3997
Ion Ratio Lower Upper
83 100
55 84.5 64.6 97.0
98 42.2 36.7 55.1



#50
Toluene-d8
Concen: 49.243 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 98 Resp: 184520
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7

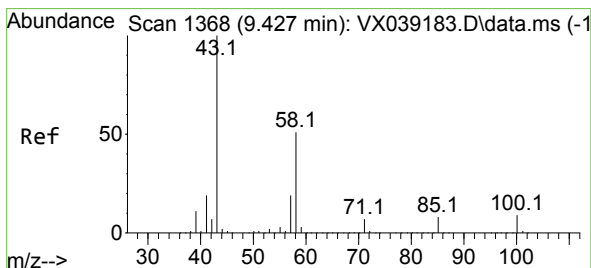
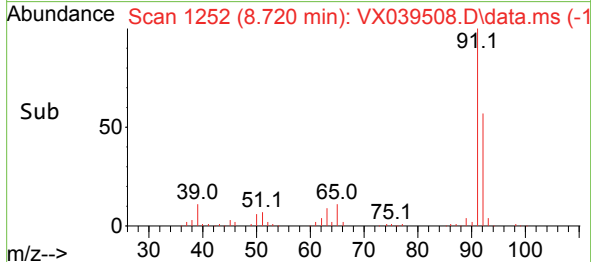
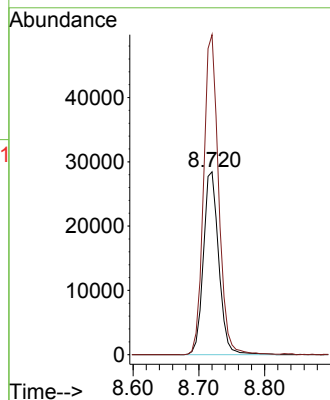
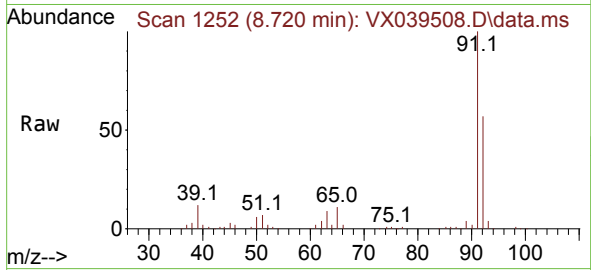




#52
Toluene
Concen: 16.958 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

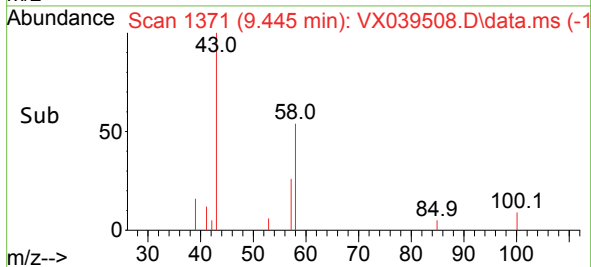
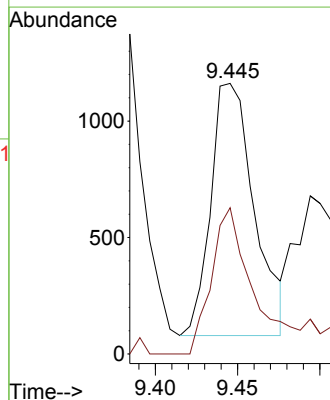
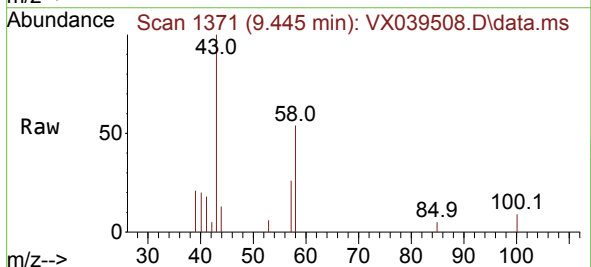
Instrument :
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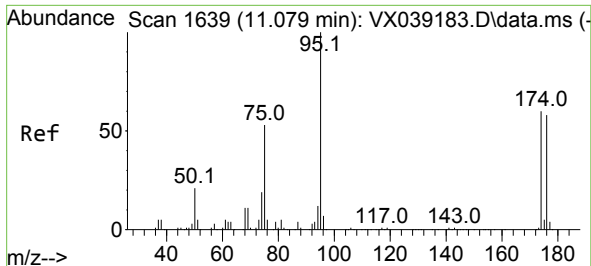
Tgt Ion: 92 Resp: 46115
Ion Ratio Lower Upper
92 100
91 171.3 134.2 201.2



#59
2-Hexanone
Concen: 1.134 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.019 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
58 55.8 26.2 78.5

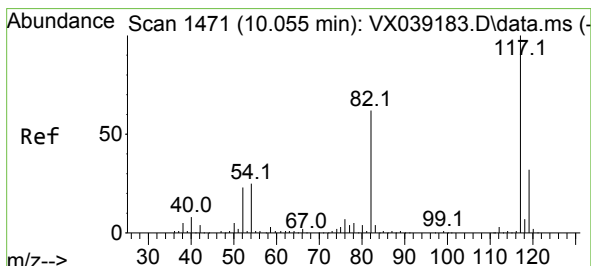
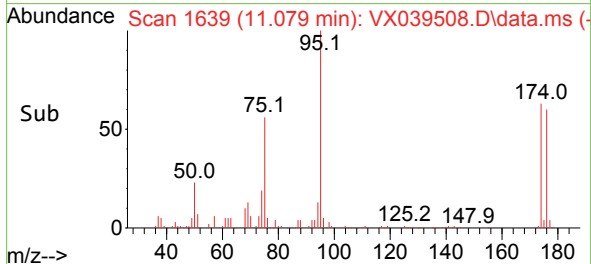
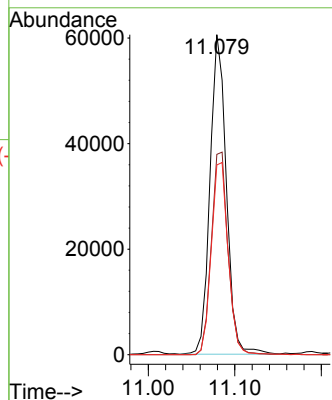
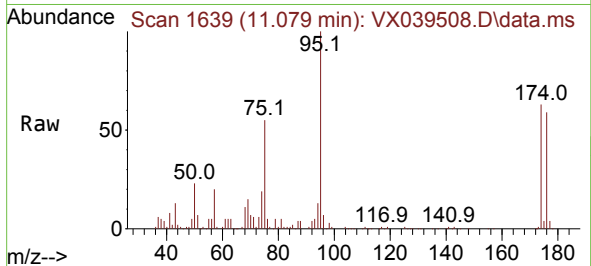




#62
4-Bromofluorobenzene
Concen: 51.339 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

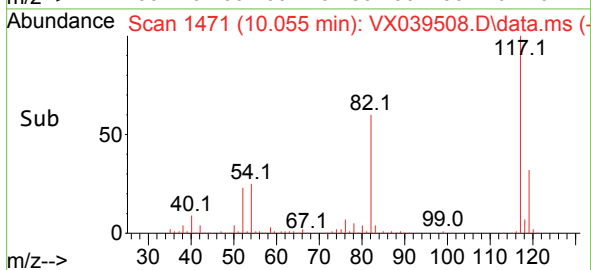
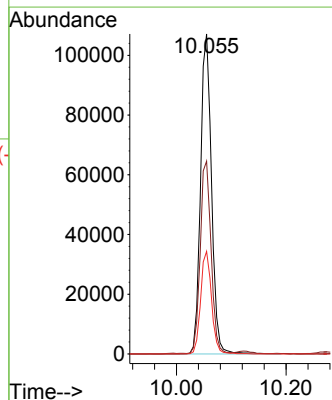
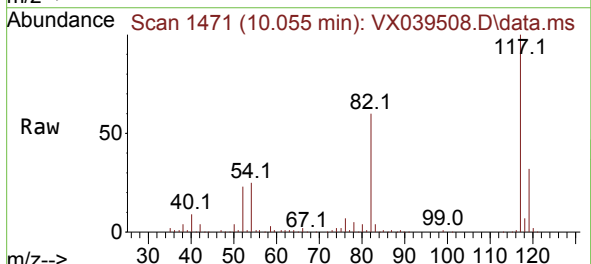
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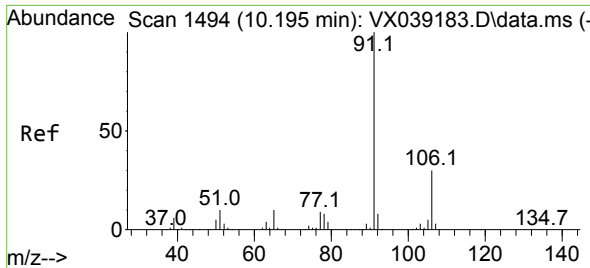
Tgt Ion: 95 Resp: 79373
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.6
176 62.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 117 Resp: 148905
Ion Ratio Lower Upper
117 100
82 60.1 46.2 69.4
119 32.1 25.5 38.3

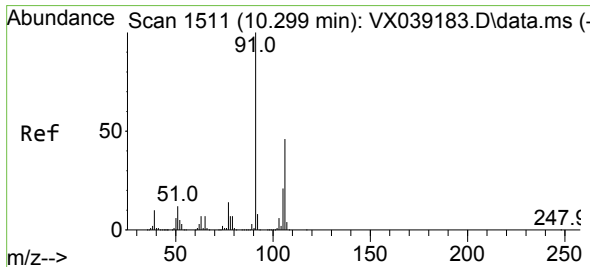
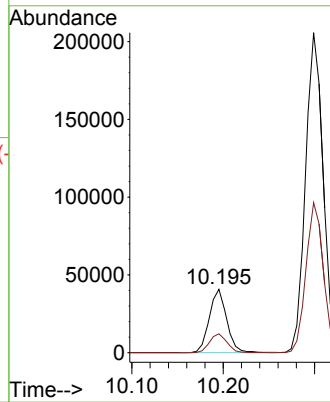
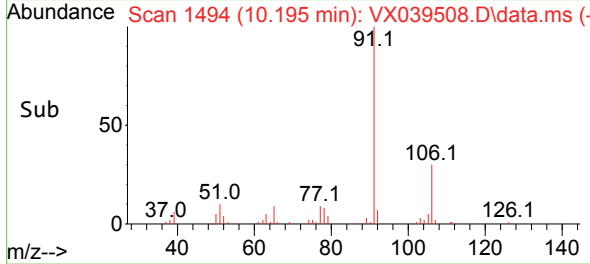
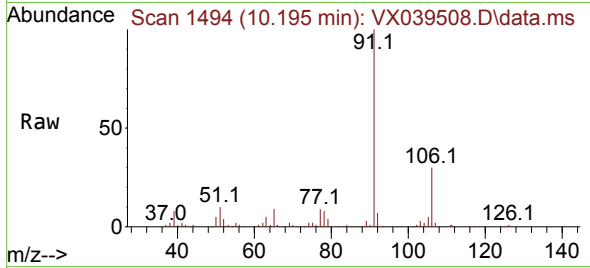




#67
Ethyl Benzene
Concen: 8.902 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

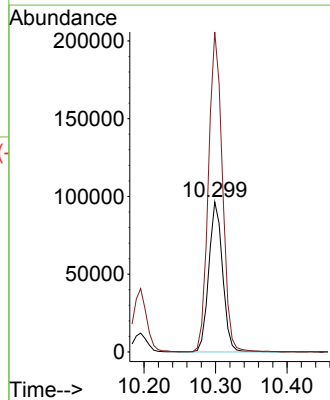
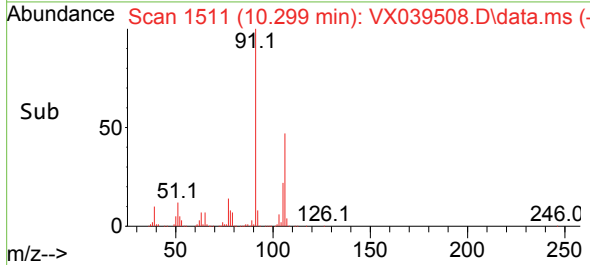
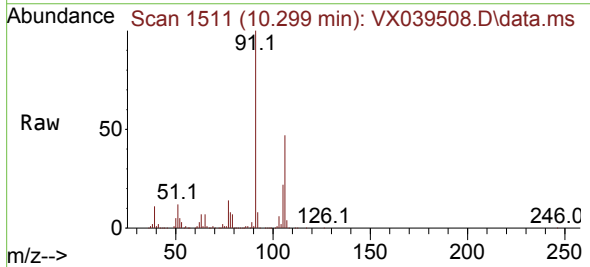
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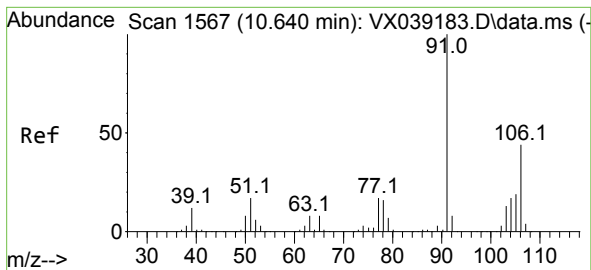
Tgt Ion: 91 Resp: 53857
Ion Ratio Lower Upper
91 100
106 29.8 24.9 37.3



#68
m/p-Xylenes
Concen: 59.704 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 106 Resp: 129508
Ion Ratio Lower Upper
106 100
91 215.1 165.5 248.3

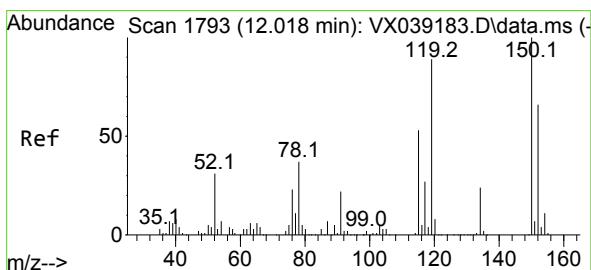
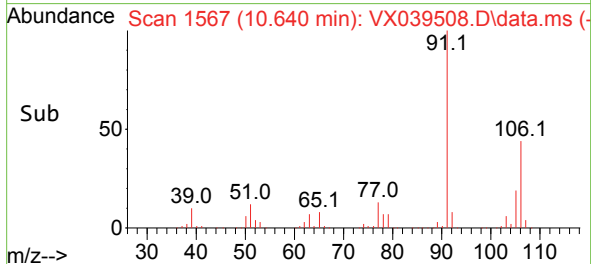
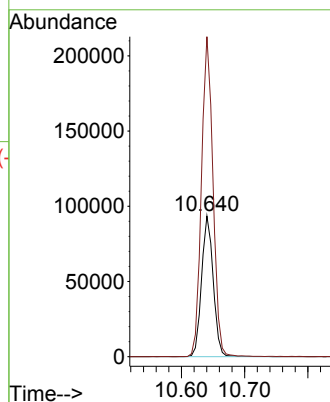
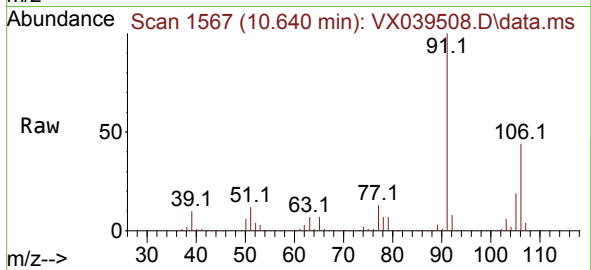




#69
o-Xylene
Concen: 57.125 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

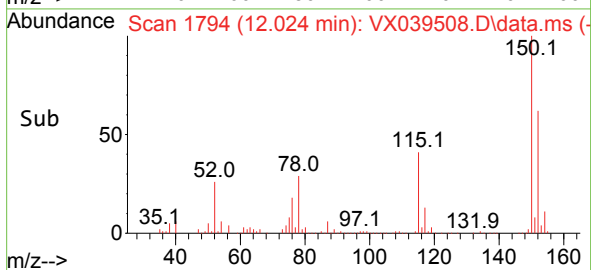
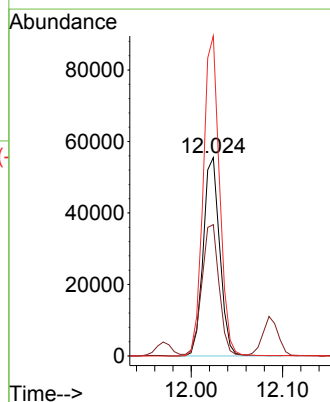
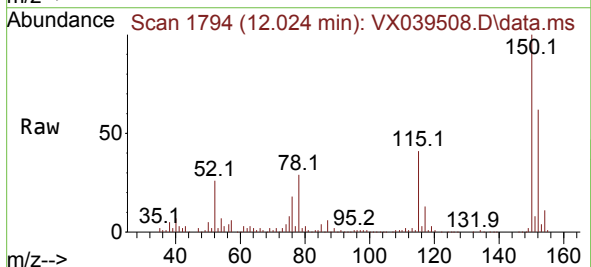
Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK

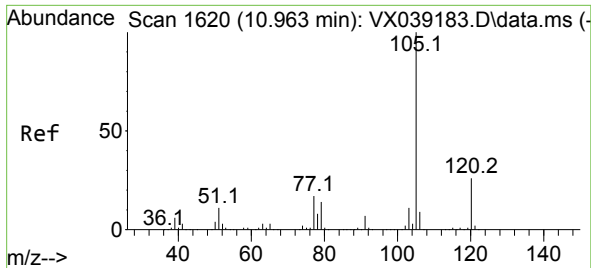
Tgt Ion:106 Resp: 119809
Ion Ratio Lower Upper
106 100
91 226.1 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion:152 Resp: 69784
Ion Ratio Lower Upper
152 100
115 69.6 43.3 129.9
150 159.0 0.0 345.0

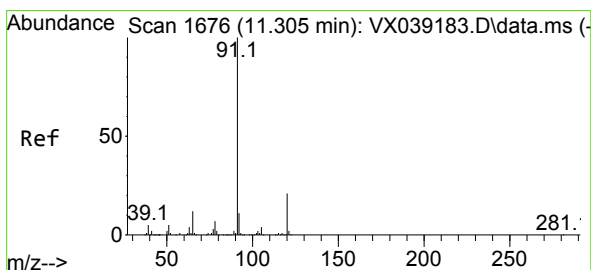
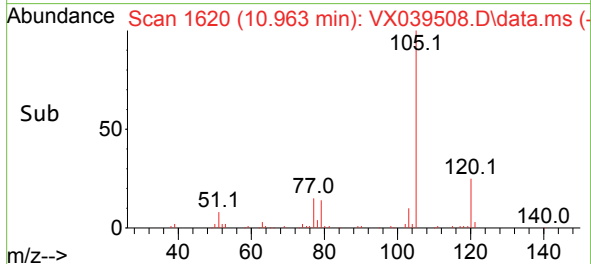
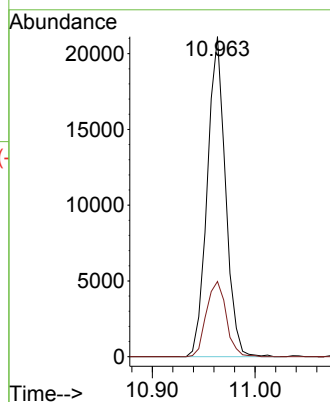
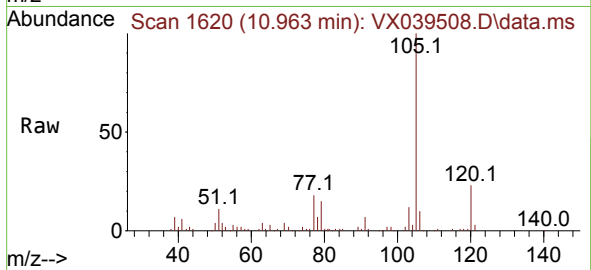




#73
Isopropylbenzene
Concen: 4.846 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

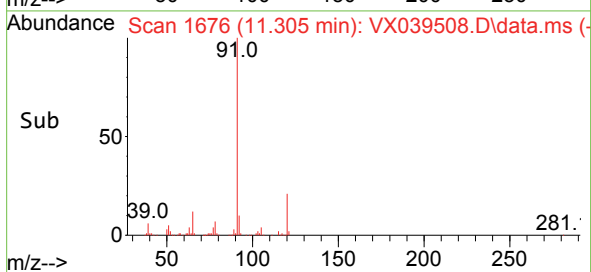
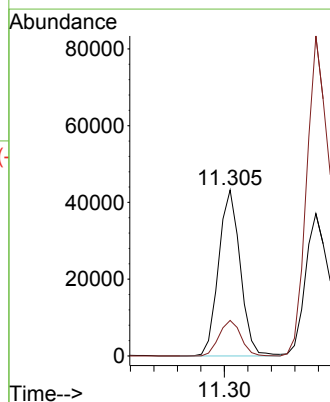
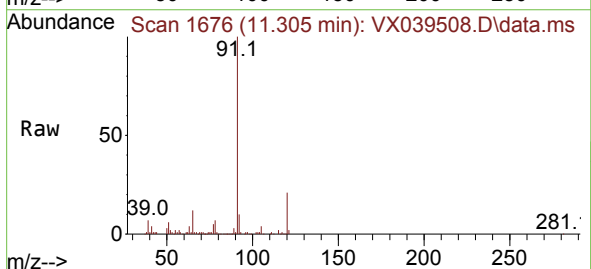
Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK

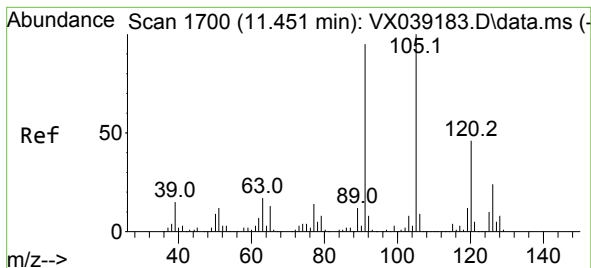
Tgt Ion:105 Resp: 26089
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.6



#78
n-propylbenzene
Concen: 8.374 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Tgt Ion: 91 Resp: 55554
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 35.148 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039508.D

Acq: 28 Dec 2023 12:06

Instrument :

MSVOA_X

ClientSampleId :

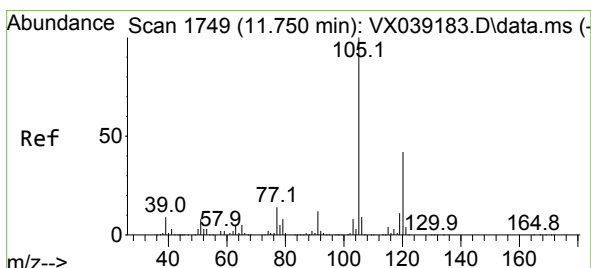
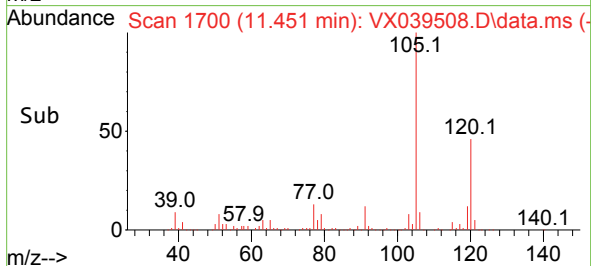
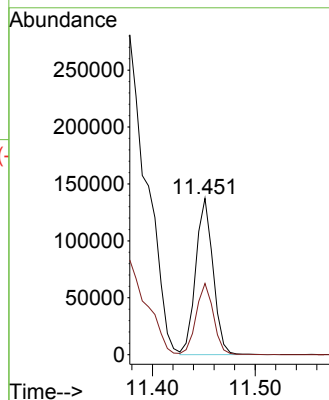
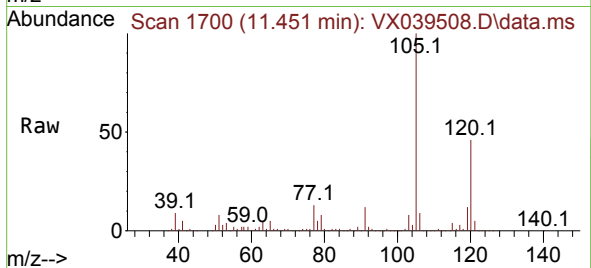
A2421-FRAC-TANK

Tgt Ion:105 Resp: 161213

Ion Ratio Lower Upper

105 100

120 45.7 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 88.780 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039508.D

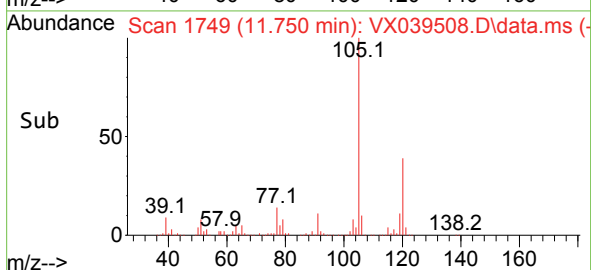
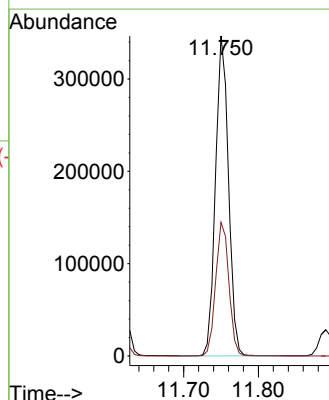
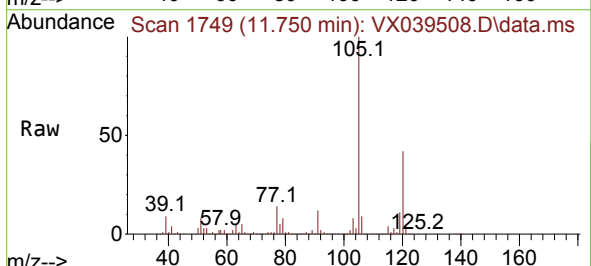
Acq: 28 Dec 2023 12:06

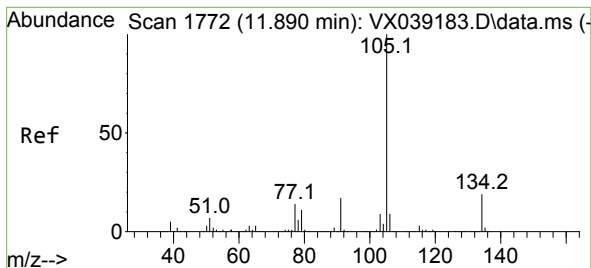
Tgt Ion:105 Resp: 417590

Ion Ratio Lower Upper

105 100

120 42.6 21.2 63.6





#85

sec-Butylbenzene

Concen: 6.285 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX039508.D

Acq: 28 Dec 2023 12:06

Instrument :

MSVOA_X

ClientSampleId :

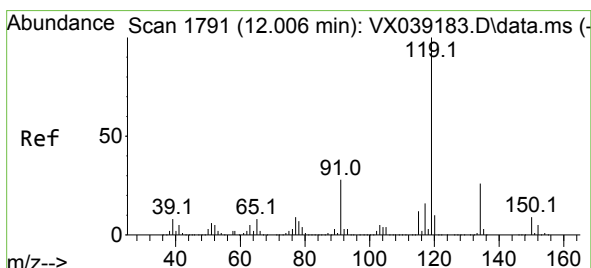
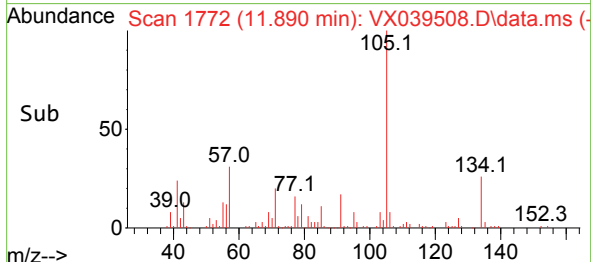
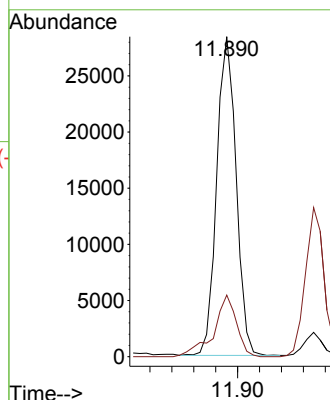
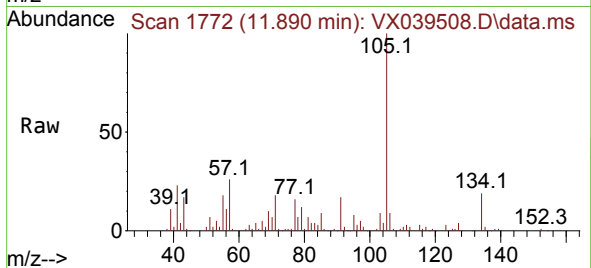
A2421-FRAC-TANK

Tgt Ion:105 Resp: 34911

Ion Ratio Lower Upper

105 100

134 22.7 9.8 29.4



#86

p-Isopropyltoluene

Concen: 5.735 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX039508.D

Acq: 28 Dec 2023 12:06

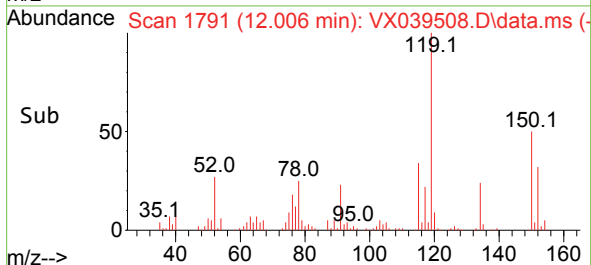
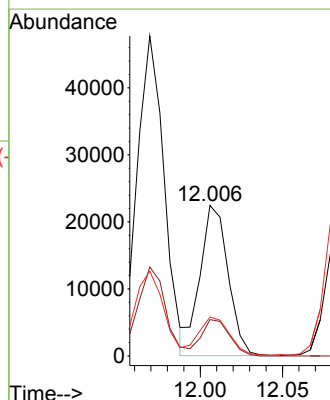
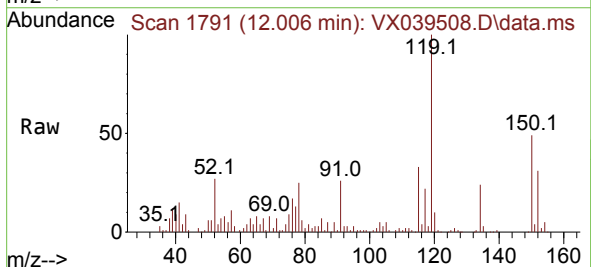
Tgt Ion:119 Resp: 26735

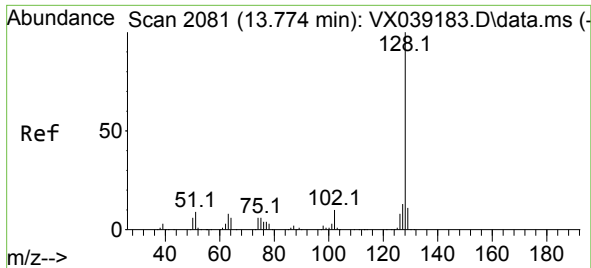
Ion Ratio Lower Upper

119 100

134 23.7 12.8 38.3

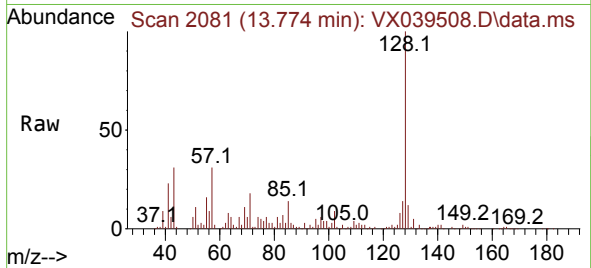
91 27.8 13.1 39.3





#95
Naphthalene
Concen: 12.550 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX039508.D
Acq: 28 Dec 2023 12:06

Instrument :
MSVOA_X
ClientSampleId :
A2421-FRAC-TANK



Tgt Ion:	128	Resp:	64051
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	15.2	8.8	13.2#

