

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032292.D
 Acq On : 21 Oct 2022 16:35
 Operator : JC/MD
 Sample : N5239-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34159

Quant Time: Oct 22 05:11:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	147983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111603	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95428	49.570	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.140%
35) Dibromofluoromethane	5.385	113	73008	45.776	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.560%
50) Toluene-d8	8.653	98	269763	46.988	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.980%
62) 4-Bromofluorobenzene	11.079	95	103987	49.463	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.920%

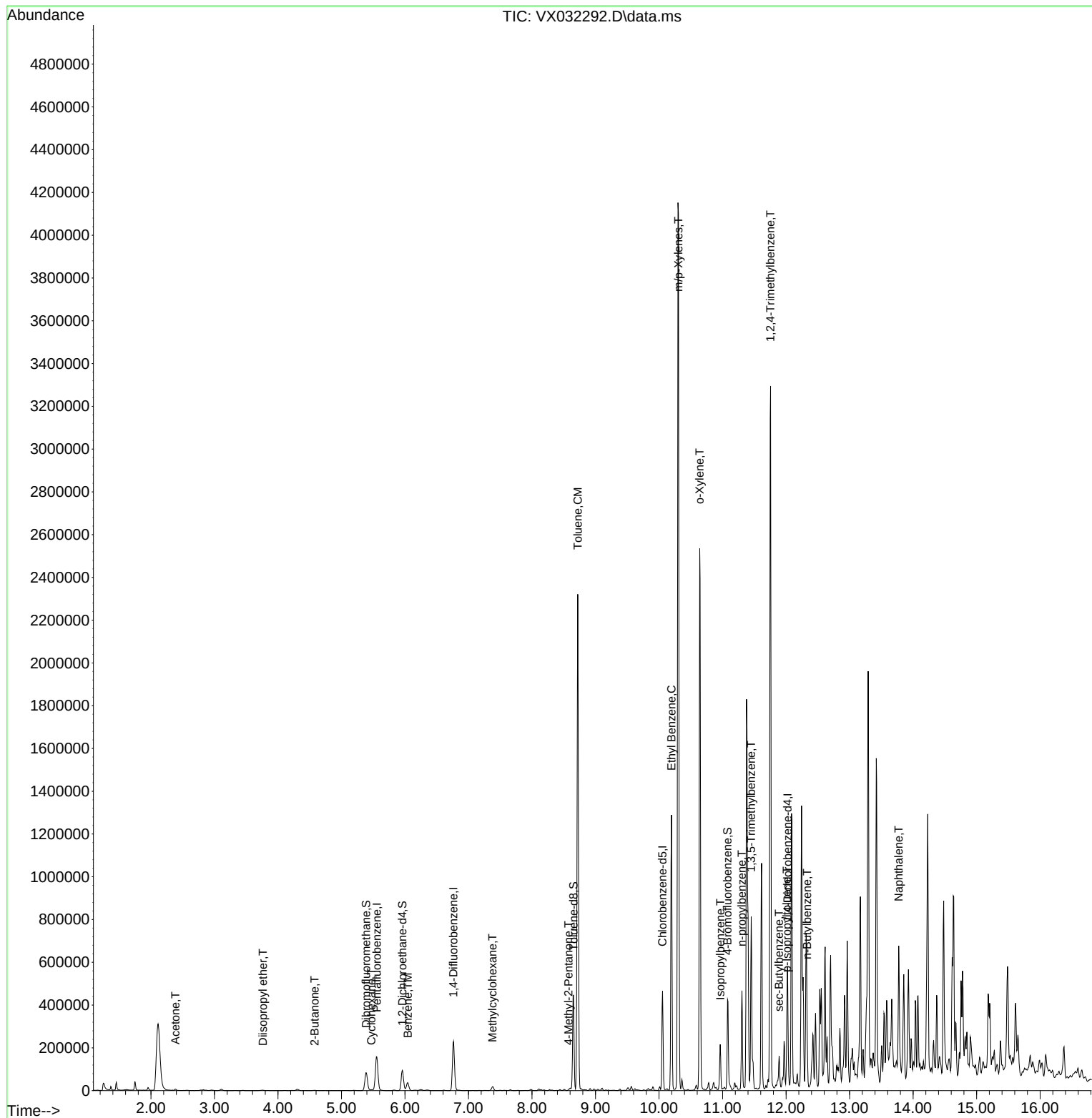
Target Compounds						Qvalue
16) Acetone	2.386	43	7500	12.005	ug/l #	88
22) Diisopropyl ether	3.764	45	1899	0.418	ug/l #	81
25) 2-Butanone	4.574	43	2266	2.323	ug/l	95
31) Cyclohexane	5.471	56	2652	1.205	ug/l	90
39) Methylcyclohexane	7.379	83	8363	3.412	ug/l	93
40) Benzene	6.044	78	44205	7.434	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	3522	1.782	ug/l	93
52) Toluene	8.720	92	824957	214.168	ug/l	98
67) Ethyl Benzene	10.195	91	714551	97.893	ug/l	99
68) m/p-Xylenes	10.305	106	976699	338.826	ug/l	100
69) o-Xylene	10.640	106	538247	194.911	ug/l	100
73) Isopropylbenzene	10.963	105	105277	13.220	ug/l	100
78) n-propylbenzene	11.305	91	275583	30.223	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	335294	48.746	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	1437770	214.996	ug/l	99
85) sec-Butylbenzene	11.890	105	66595	8.007	ug/l	91
86) p-Isopropyltoluene	12.012	119	38439	5.432	ug/l	98
89) n-Butylbenzene	12.329	91	109022	17.490	ug/l #	33
95) Naphthalene	13.774	128	364413	47.388	ug/l	99

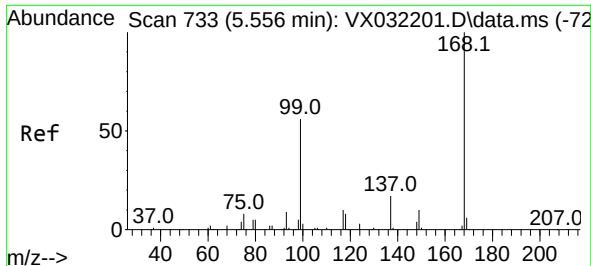
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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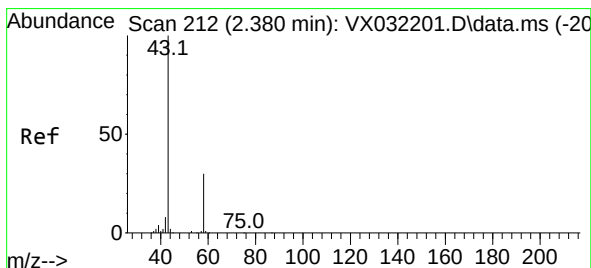
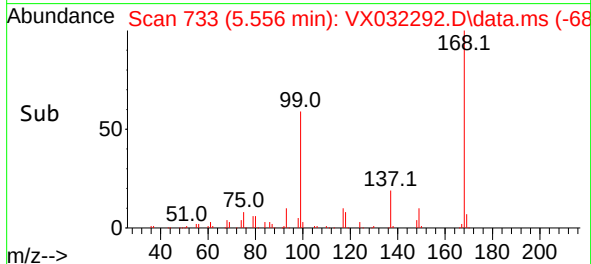
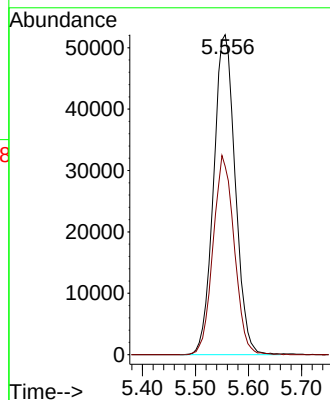
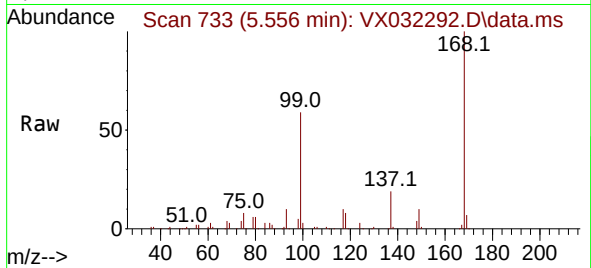




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

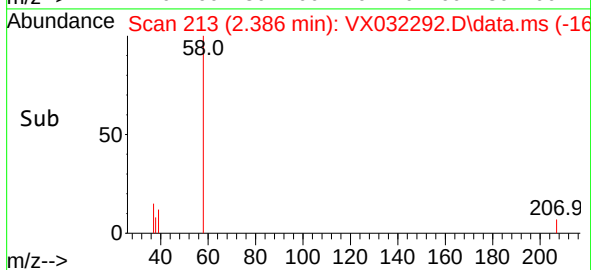
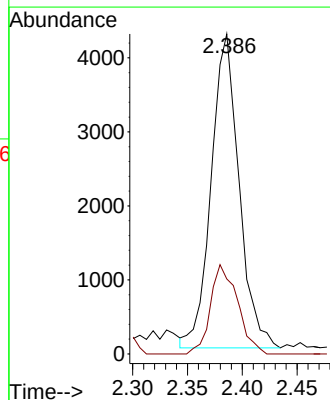
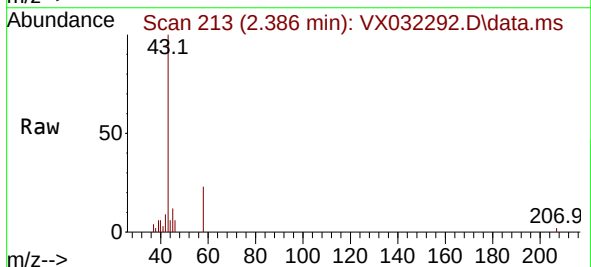
Instrument :
MSVOA_X
ClientSampleId :
34159

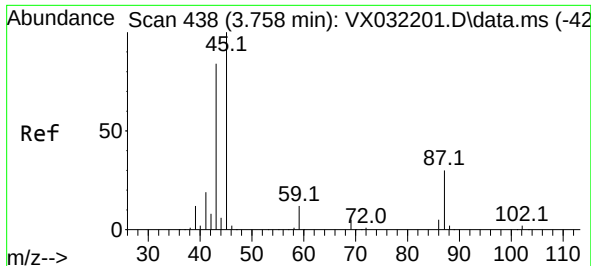
Tgt Ion:168 Resp: 147983
Ion Ratio Lower Upper
168 100
99 58.8 44.8 67.2



#16
Acetone
Concen: 12.005 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 43 Resp: 7500
Ion Ratio Lower Upper
43 100
58 23.9 24.2 36.2#

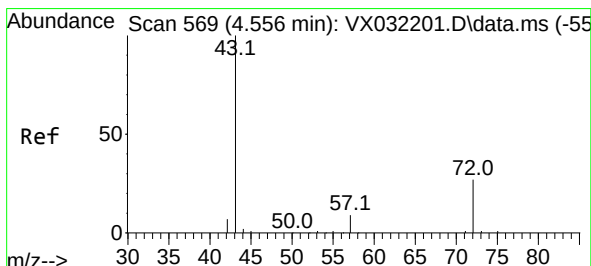
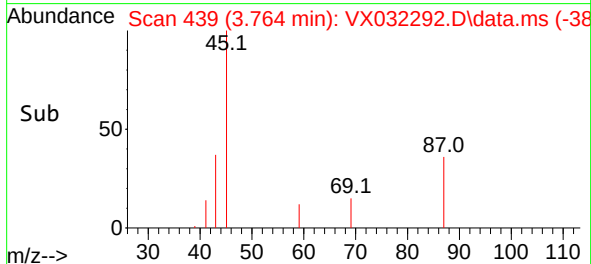
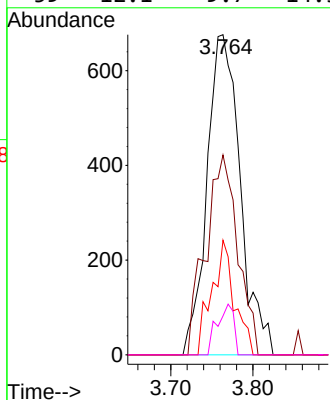
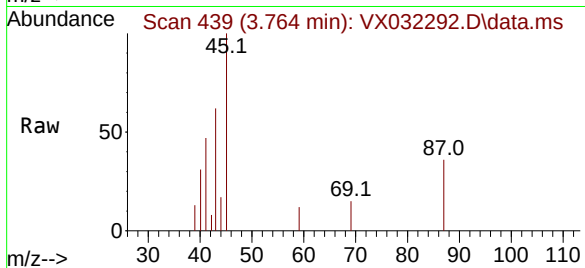




#22
Diisopropyl ether
Concen: 0.418 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

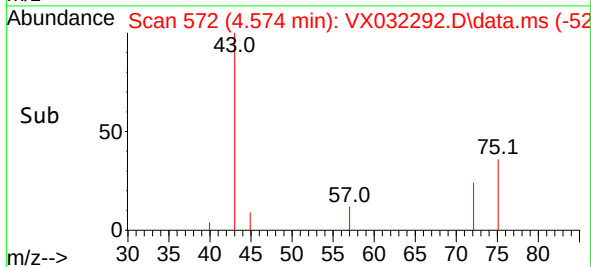
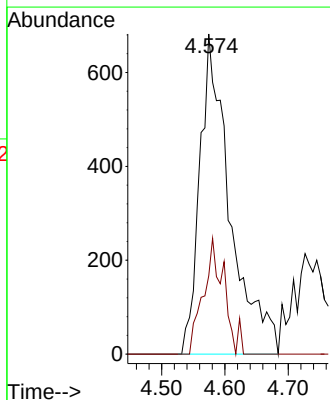
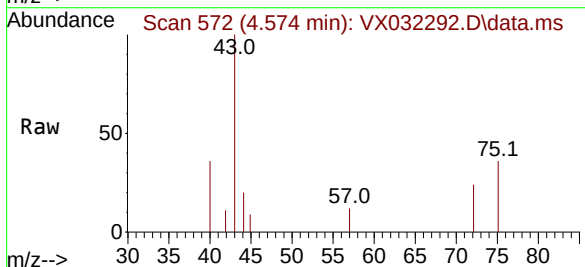
Instrument :
MSVOA_X
ClientSampleId :
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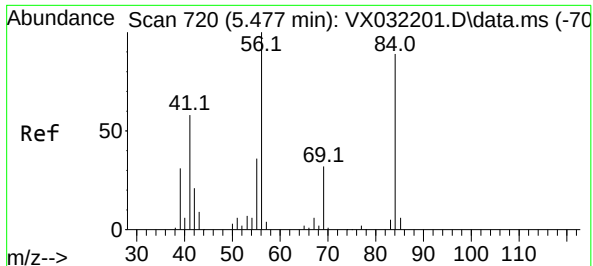
Tgt Ion:	45	Resp:	1899
Ion	Ratio	Lower	Upper
45	100		
43	62.4	67.5	101.3#
87	35.8	24.0	36.0
59	12.1	9.7	14.5



#25
2-Butanone
Concen: 2.323 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion:	43	Resp:	2266
Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.7	32.5

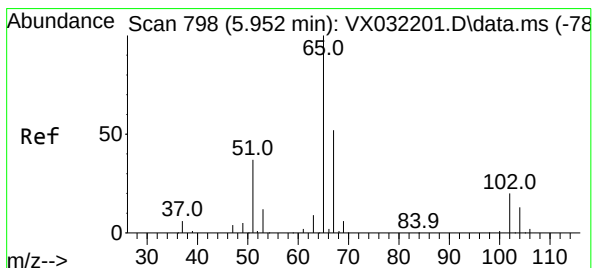
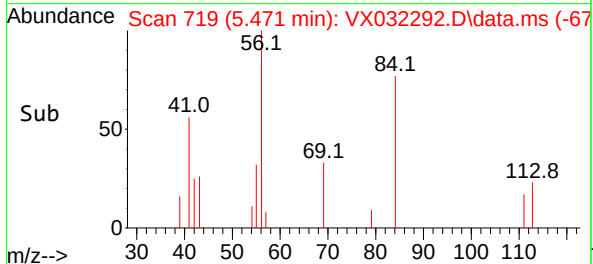
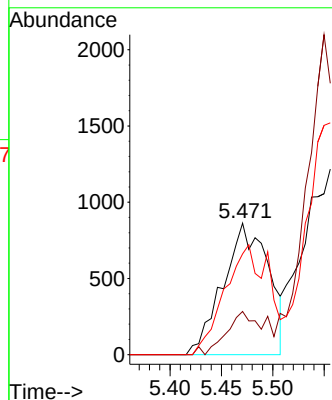
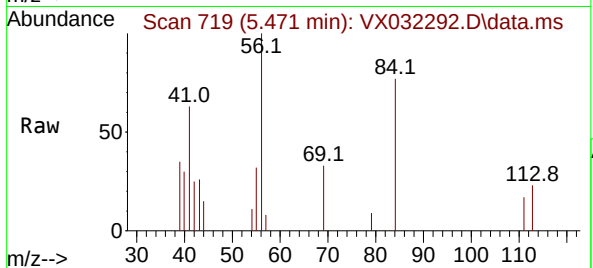




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

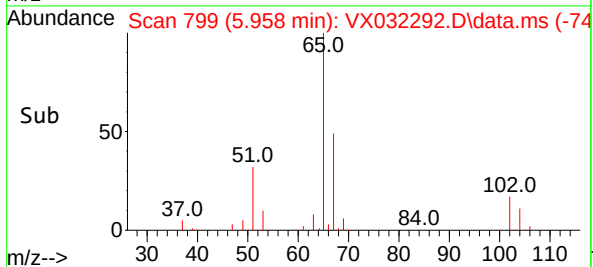
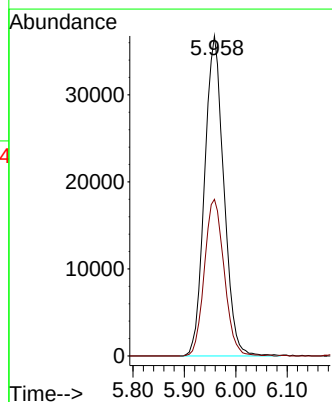
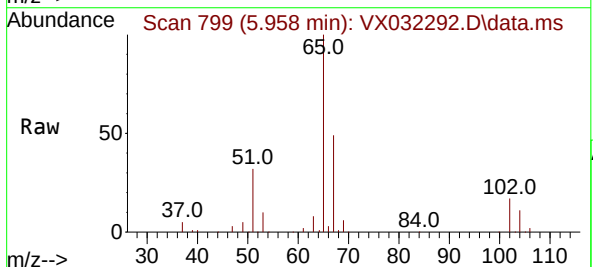
Instrument :
MSVOA_X
ClientSampleId :
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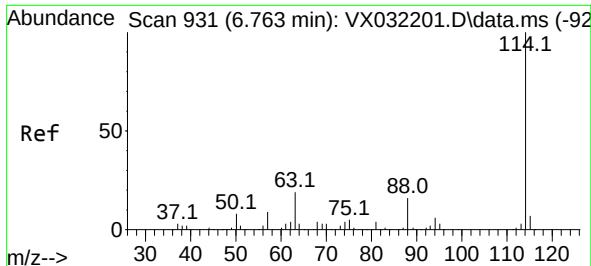
Tgt Ion: 56 Resp: 2652
Ion Ratio Lower Upper
56 100
69 32.8 25.4 38.0
84 76.6 71.2 106.8



#33
1,2-Dichloroethane-d4
Concen: 49.570 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 65 Resp: 95428
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.6

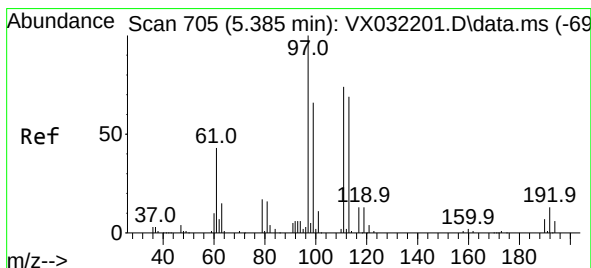
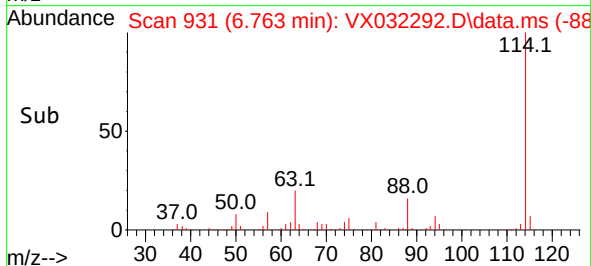
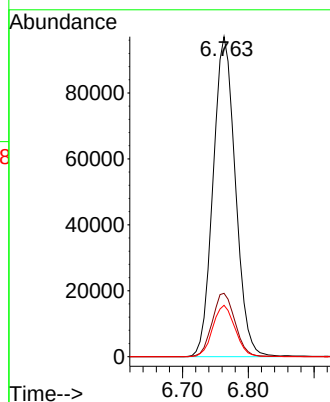
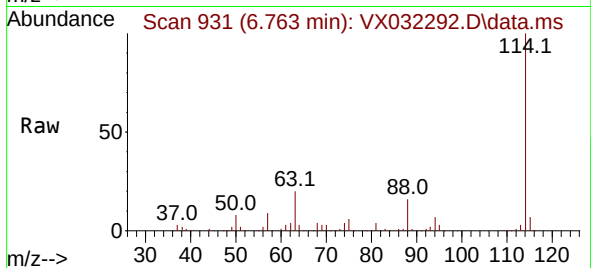




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

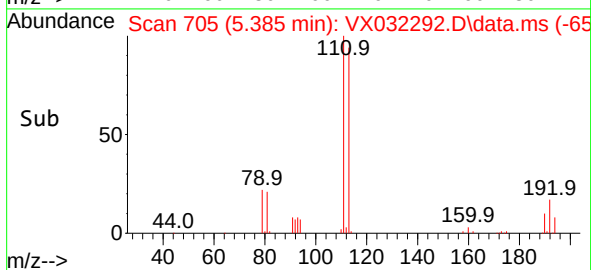
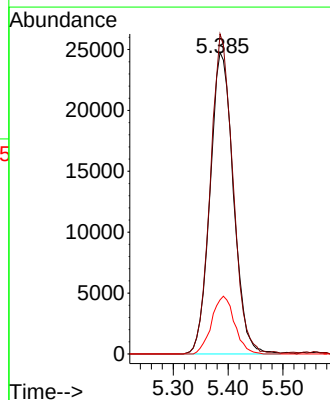
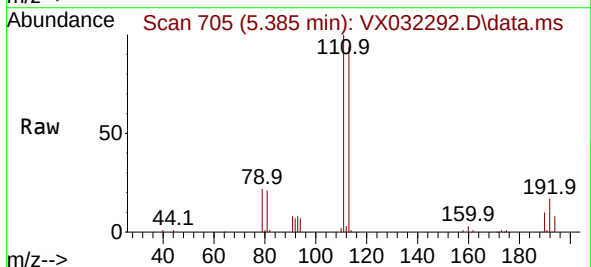
Instrument :
MSVOA_X
ClientSampleId :
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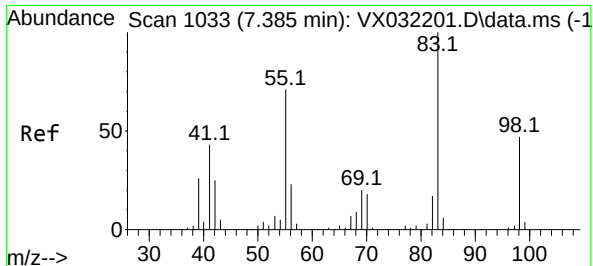
Tgt Ion:114 Resp: 229197
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.6
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 45.776 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion:113 Resp: 73008
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 18.8 15.5 23.3

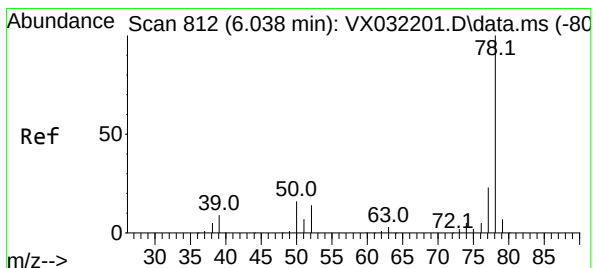
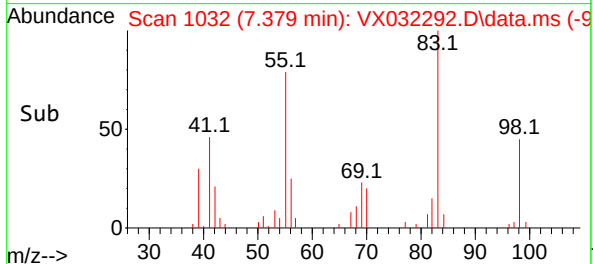
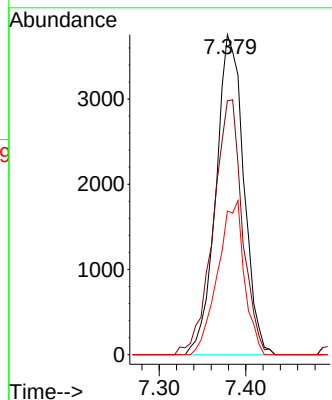
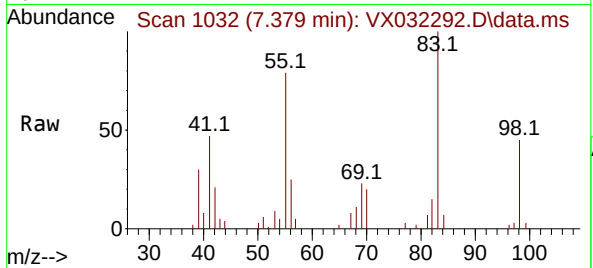




#39
Methylcyclohexane
Concen: 3.412 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

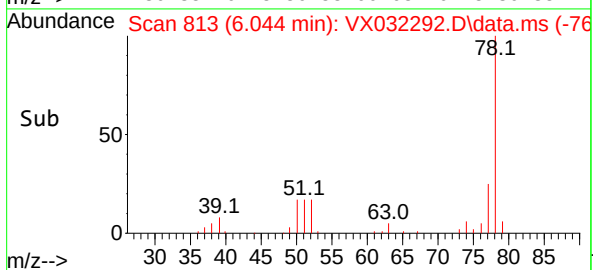
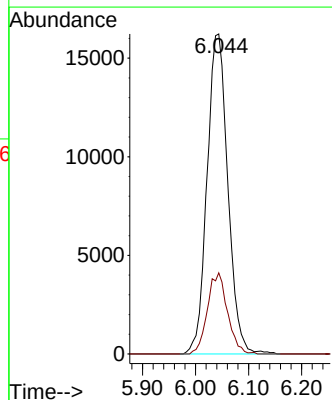
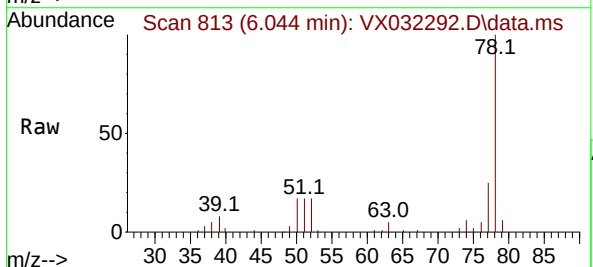
Instrument :
MSVOA_X
ClientSampleId :
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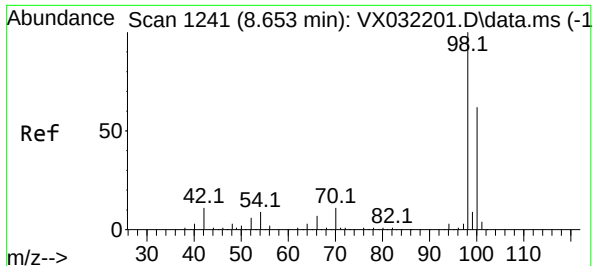
Tgt Ion: 83 Resp: 8363
Ion Ratio Lower Upper
83 100
55 79.3 56.6 85.0
98 44.9 37.4 56.0



#40
Benzene
Concen: 7.434 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 78 Resp: 44205
Ion Ratio Lower Upper
78 100
77 25.3 18.6 27.8

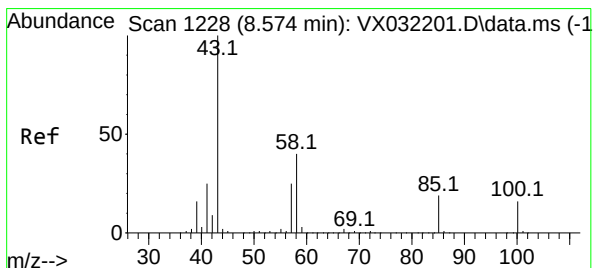
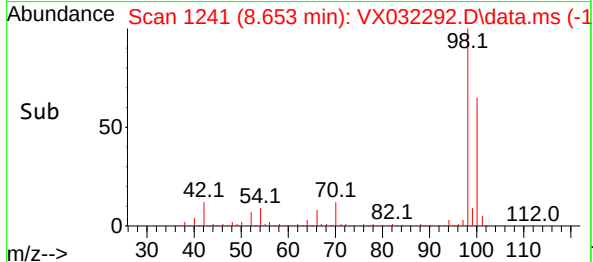
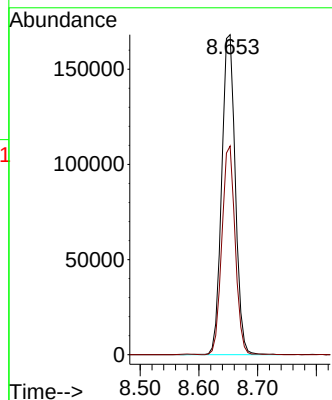
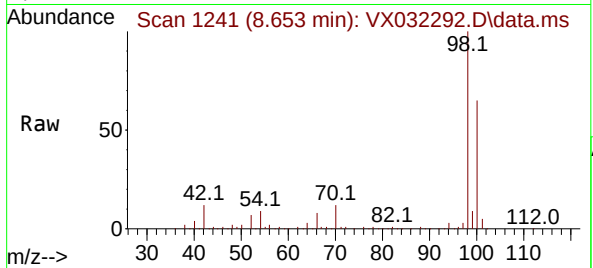




#50
Toluene-d8
Concen: 46.988 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

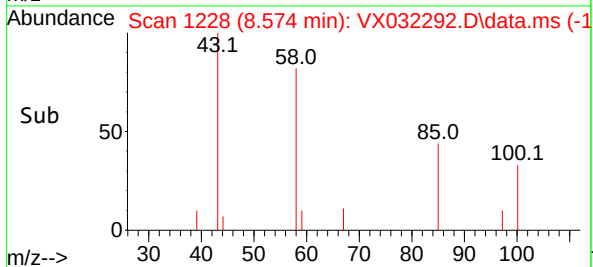
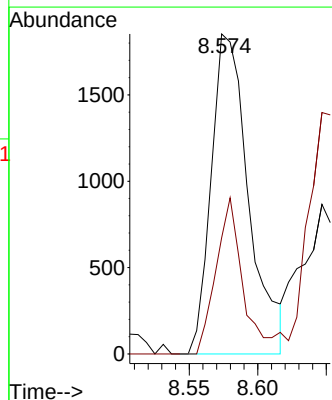
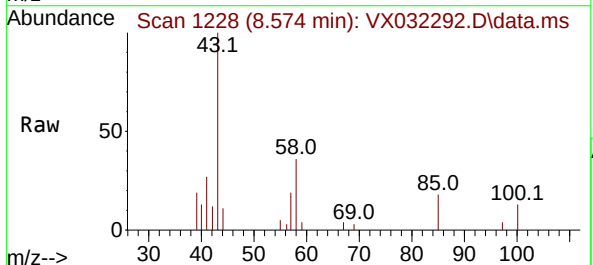
Instrument :
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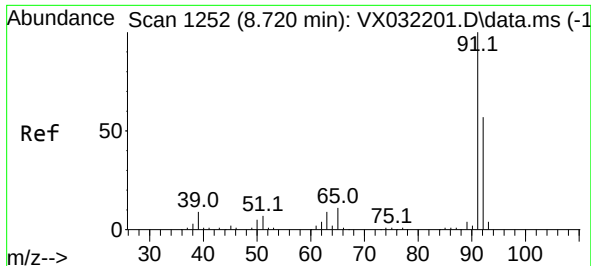
Tgt Ion: 98 Resp: 269763
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.782 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 43 Resp: 3522
Ion Ratio Lower Upper
43 100
58 34.4 31.0 46.4

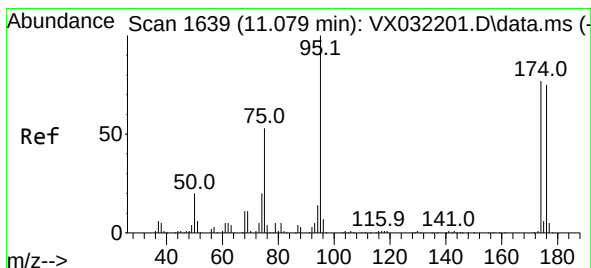
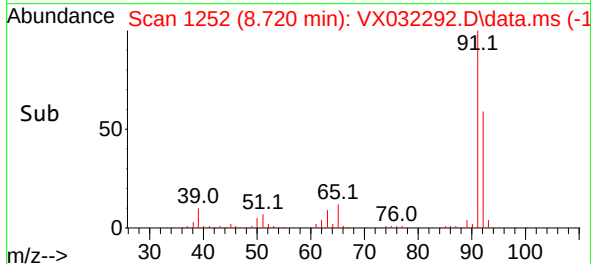
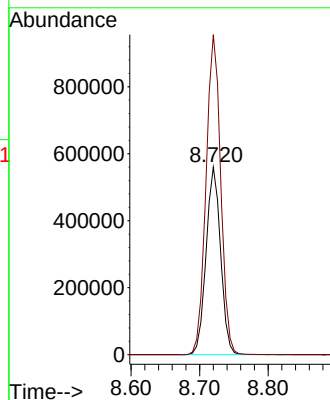
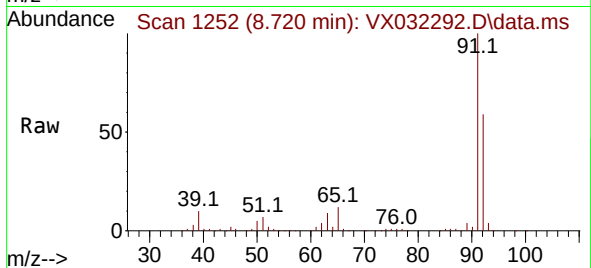




#52
Toluene
Concen: 214.168 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

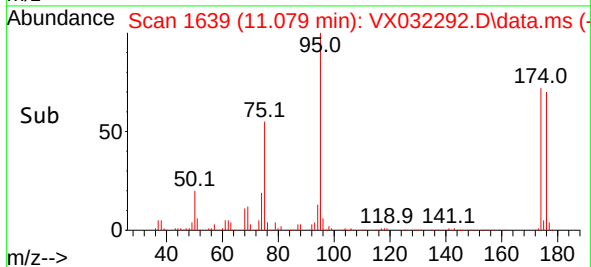
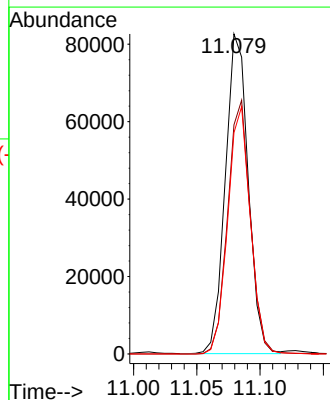
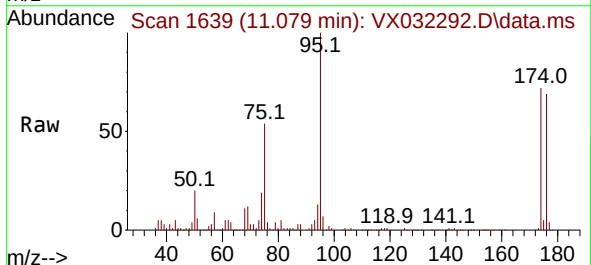
Instrument :
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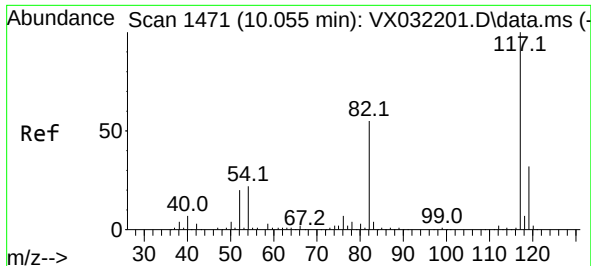
Tgt Ion: 92 Resp: 824957
Ion Ratio Lower Upper
92 100
91 172.7 140.3 210.5



#62
4-Bromofluorobenzene
Concen: 49.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 95 Resp: 103987
Ion Ratio Lower Upper
95 100
174 78.7 0.0 166.8
176 76.2 0.0 161.4

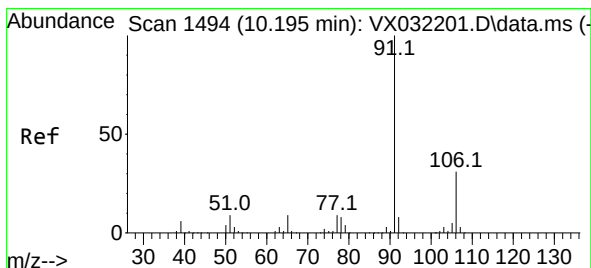
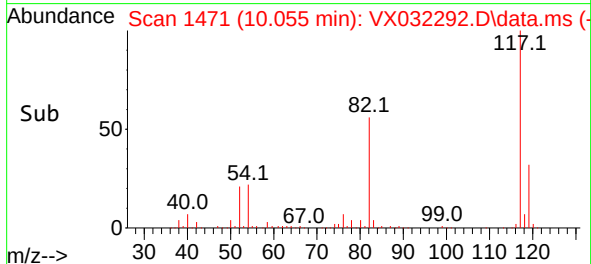
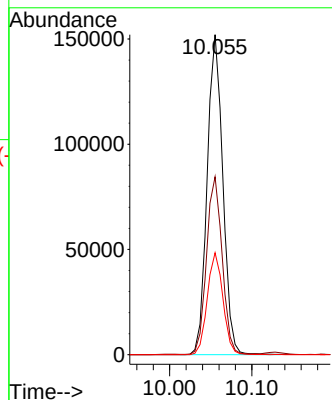
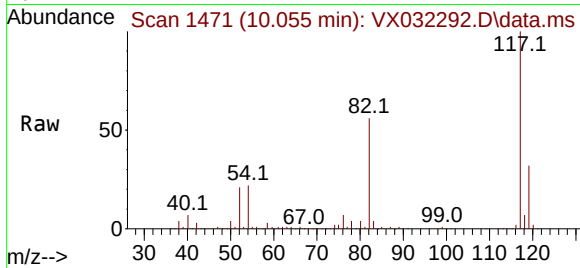




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

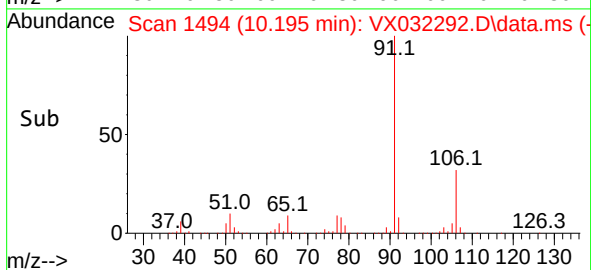
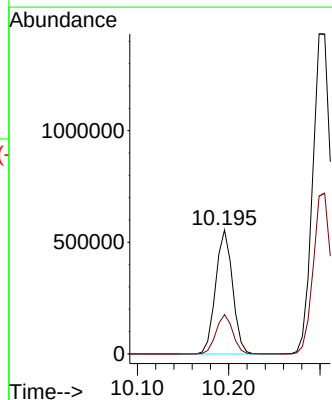
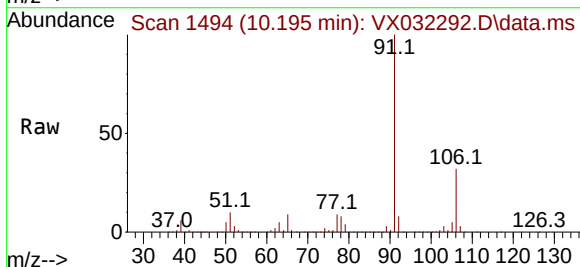
Instrument :
MSVOA_X
ClientSampleId :
34159

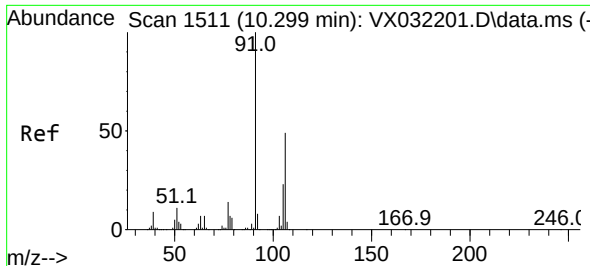
Tgt Ion:117 Resp: 201086
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 31.8 25.8 38.8



#67
Ethyl Benzene
Concen: 97.893 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 91 Resp: 714551
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

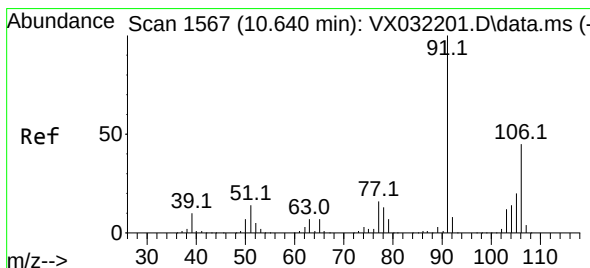
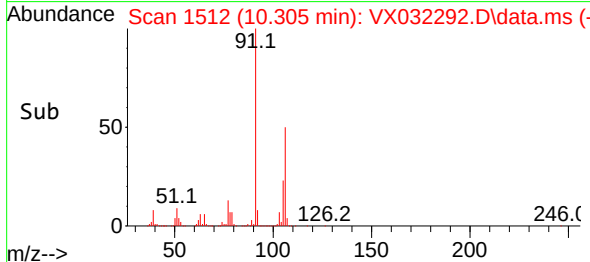
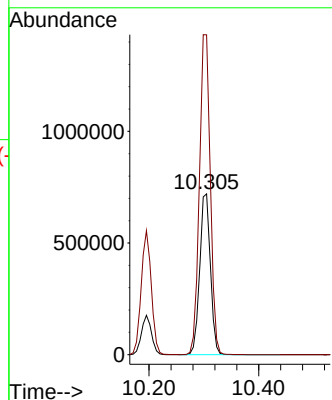
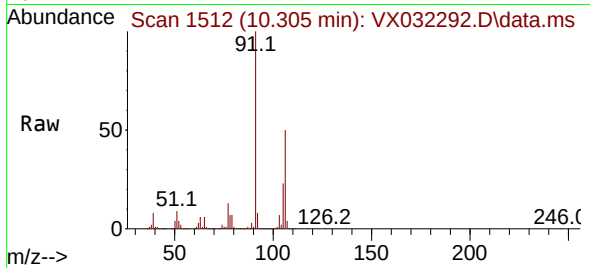




#68
m/p-Xylenes
Concen: 338.826 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

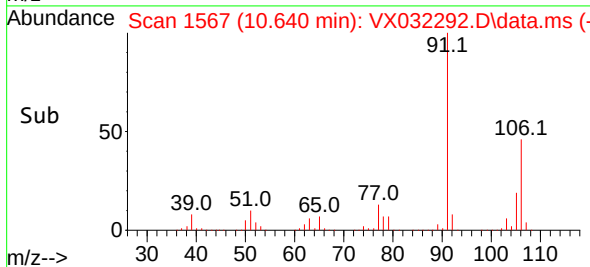
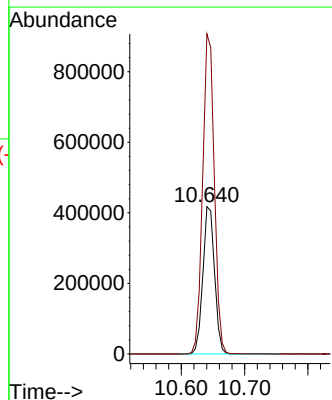
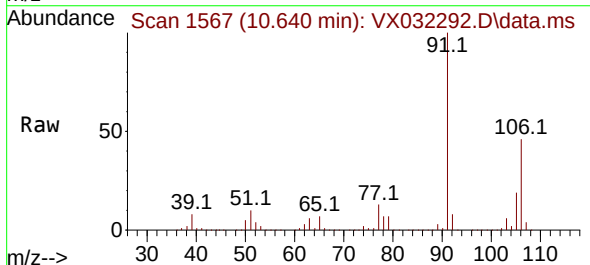
Instrument :
MSVOA_X
ClientSampleId :
34159

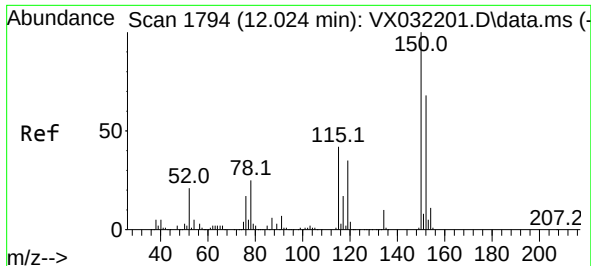
Tgt Ion:106 Resp: 976699
Ion Ratio Lower Upper
106 100
91 203.5 162.6 244.0



#69
o-Xylene
Concen: 194.911 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion:106 Resp: 538247
Ion Ratio Lower Upper
106 100
91 216.6 108.3 324.9

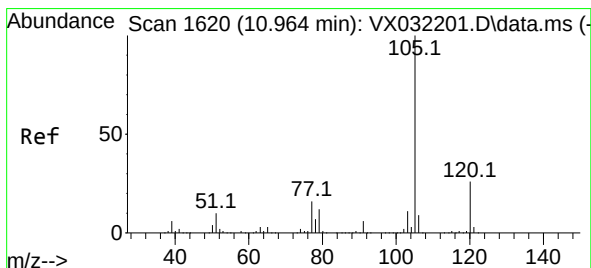
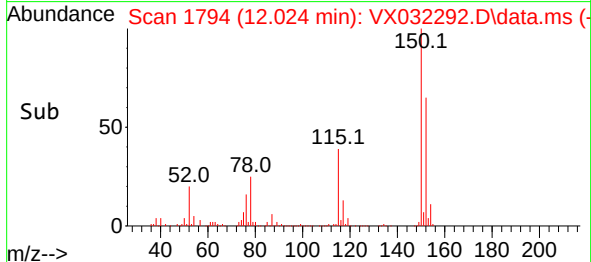
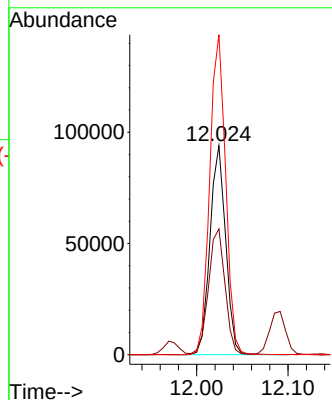
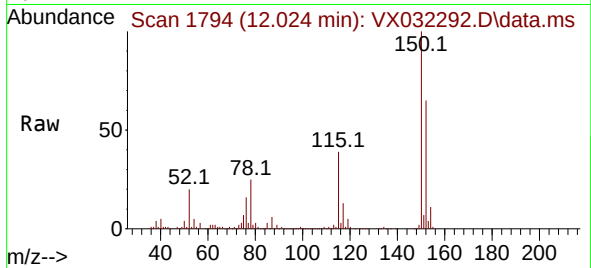




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

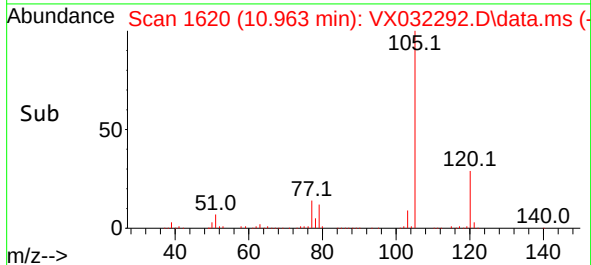
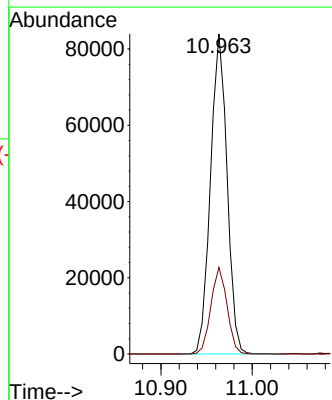
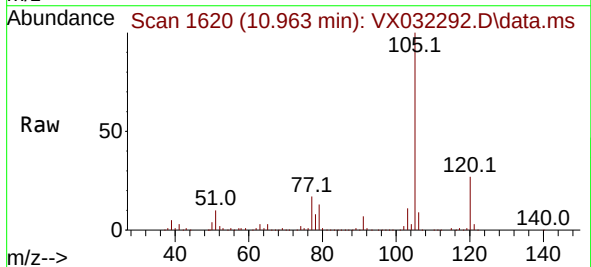
Instrument :
MSVOA_X
ClientSampleId :
34159

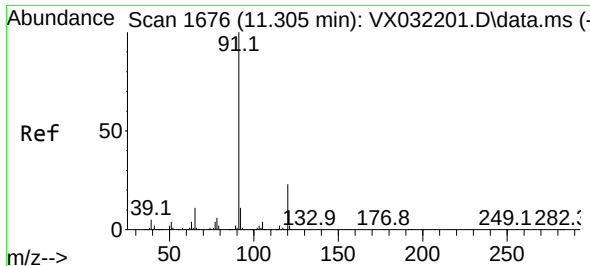
Tgt Ion:152 Resp: 111603
Ion Ratio Lower Upper
152 100
115 63.3 43.1 129.4
150 155.4 0.0 348.6



#73
Isopropylbenzene
Concen: 13.220 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion:105 Resp: 105277
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6

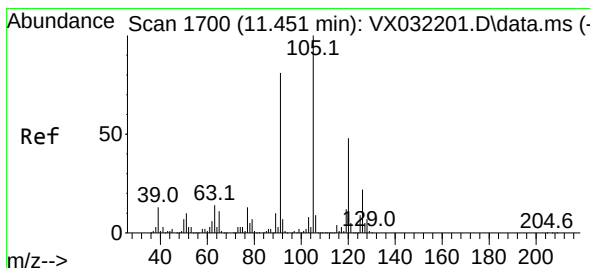
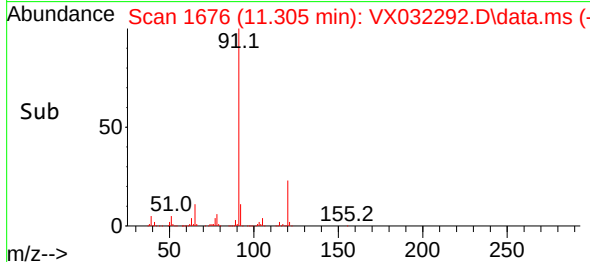
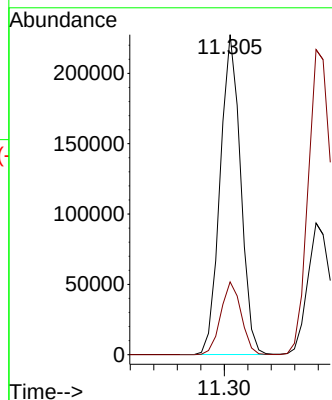
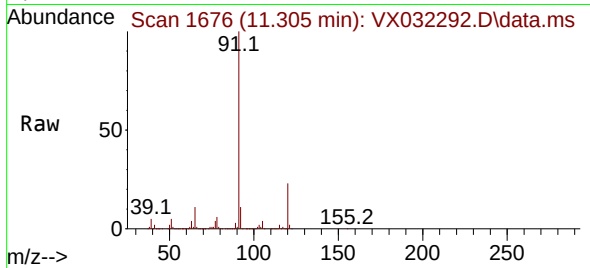




#78
n-propylbenzene
Concen: 30.223 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

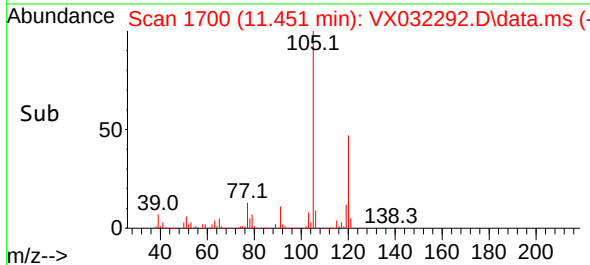
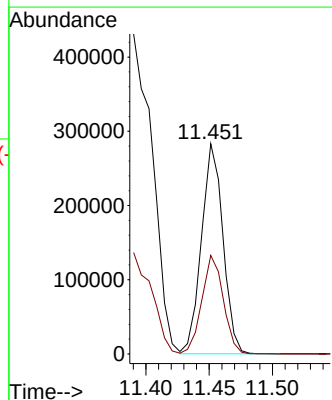
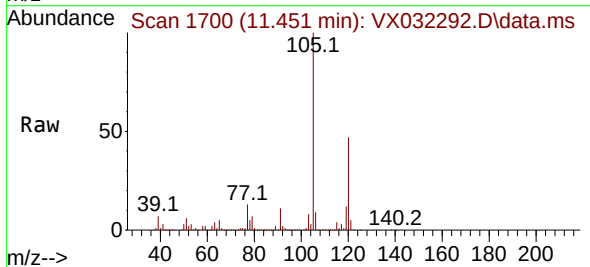
Instrument :
MSVOA_X
ClientSampleId :
34159

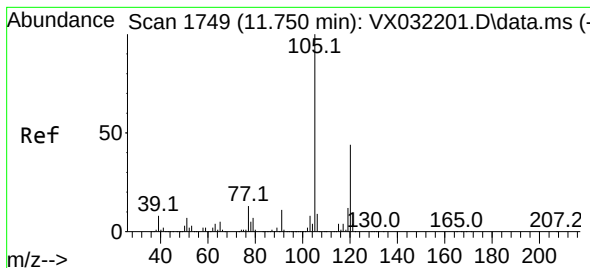
Tgt Ion: 91 Resp: 275583
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 48.746 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Tgt Ion: 105 Resp: 335294
Ion Ratio Lower Upper
105 100
120 46.9 23.5 70.6





#84

1,2,4-Trimethylbenzene

Concen: 214.996 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX032292.D

Acq: 21 Oct 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

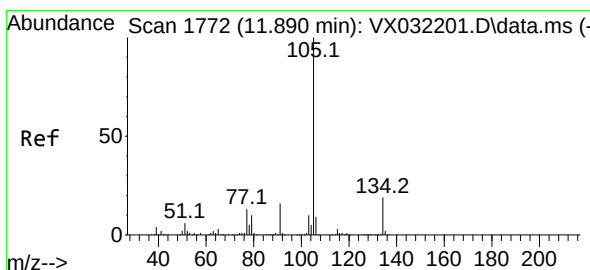
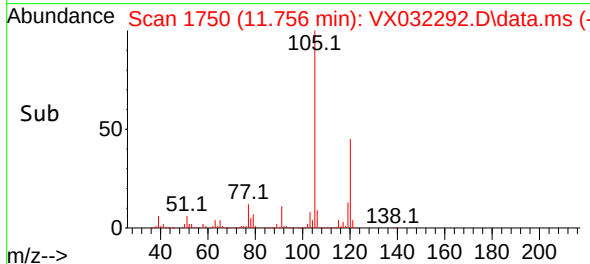
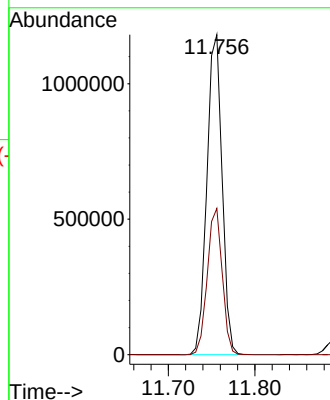
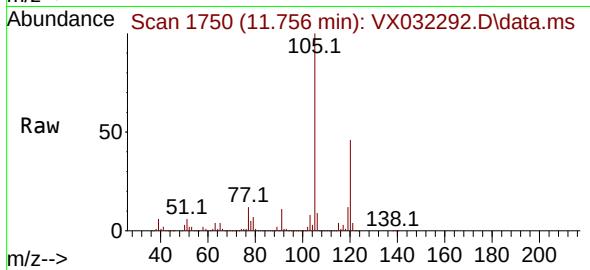
34159

Tgt Ion:105 Resp: 1437770

Ion Ratio Lower Upper

105 100

120 45.0 22.1 66.1



#85

sec-Butylbenzene

Concen: 8.007 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX032292.D

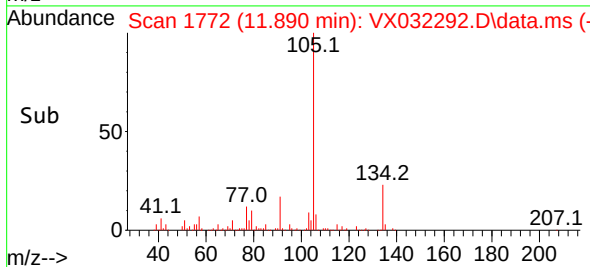
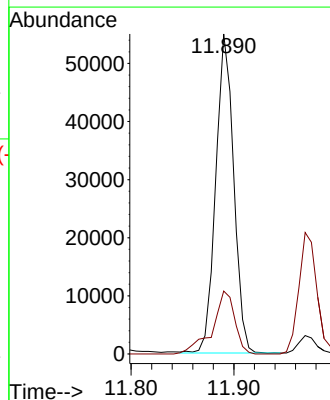
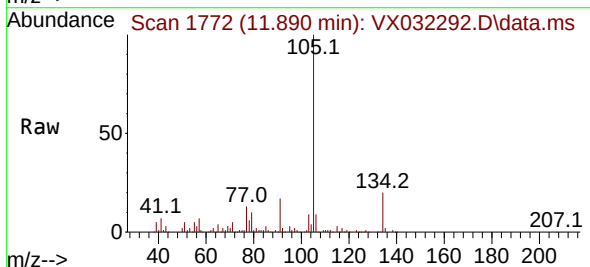
Acq: 21 Oct 2022 16:35

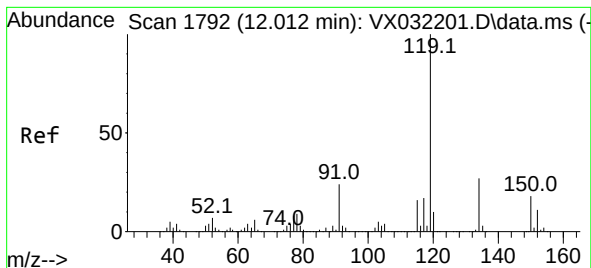
Tgt Ion:105 Resp: 66595

Ion Ratio Lower Upper

105 100

134 24.5 10.1 30.3





#86

p-Isopropyltoluene

Concen: 5.432 ug/l

RT: 12.012 min Scan# 119

Delta R.T. 0.000 min

Lab File: VX032292.D

Acq: 21 Oct 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

34159

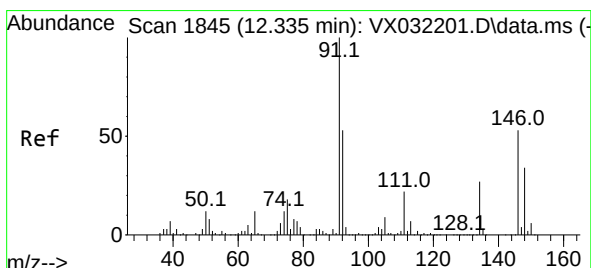
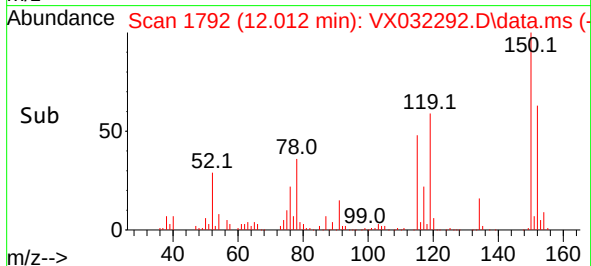
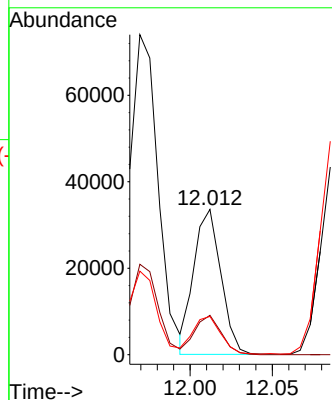
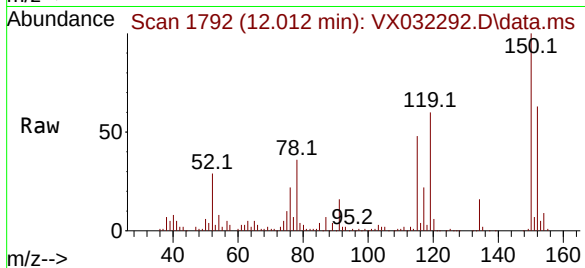
Tgt Ion:119 Resp: 38439

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

91 26.3 12.4 37.2



#89

n-Butylbenzene

Concen: 17.490 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX032292.D

Acq: 21 Oct 2022 16:35

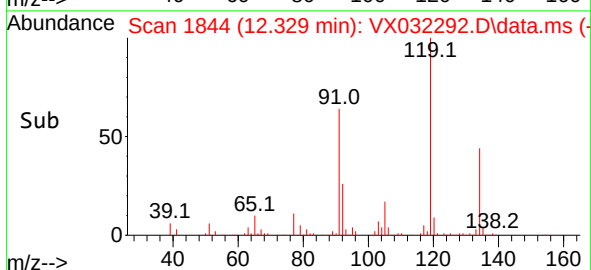
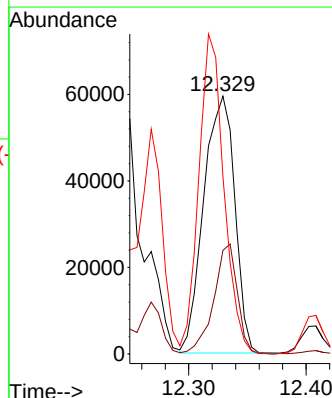
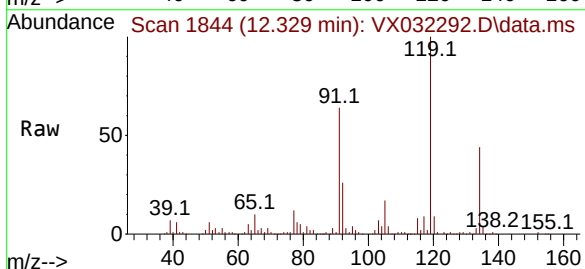
Tgt Ion: 91 Resp: 109022

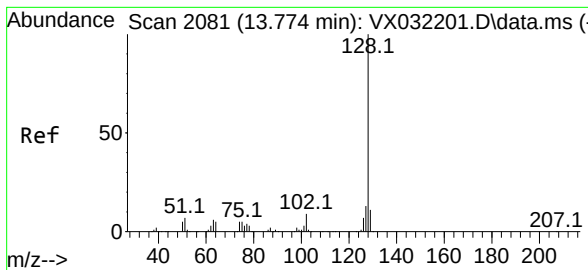
Ion Ratio Lower Upper

91 100

92 32.7 26.3 78.9

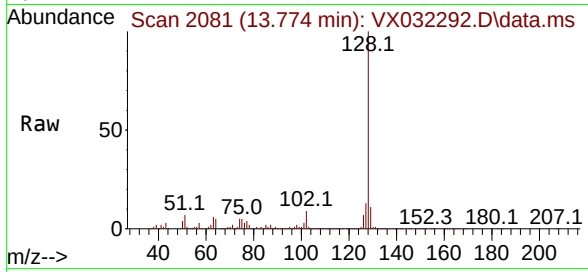
134 100.7 13.0 39.0#





#95
Naphthalene
Concen: 47.388 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032292.D
Acq: 21 Oct 2022 16:35

Instrument :
MSVOA_X
ClientSampleId :
34159



Tgt Ion:128 Resp: 364413
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.5 8.7 13.1

