

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036831.D
 Acq On : 07 Aug 2023 12:42
 Operator : JC/MD
 Sample : 03899-02
 Misc : 1.20g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 522

Quant Time: Aug 08 01:32:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

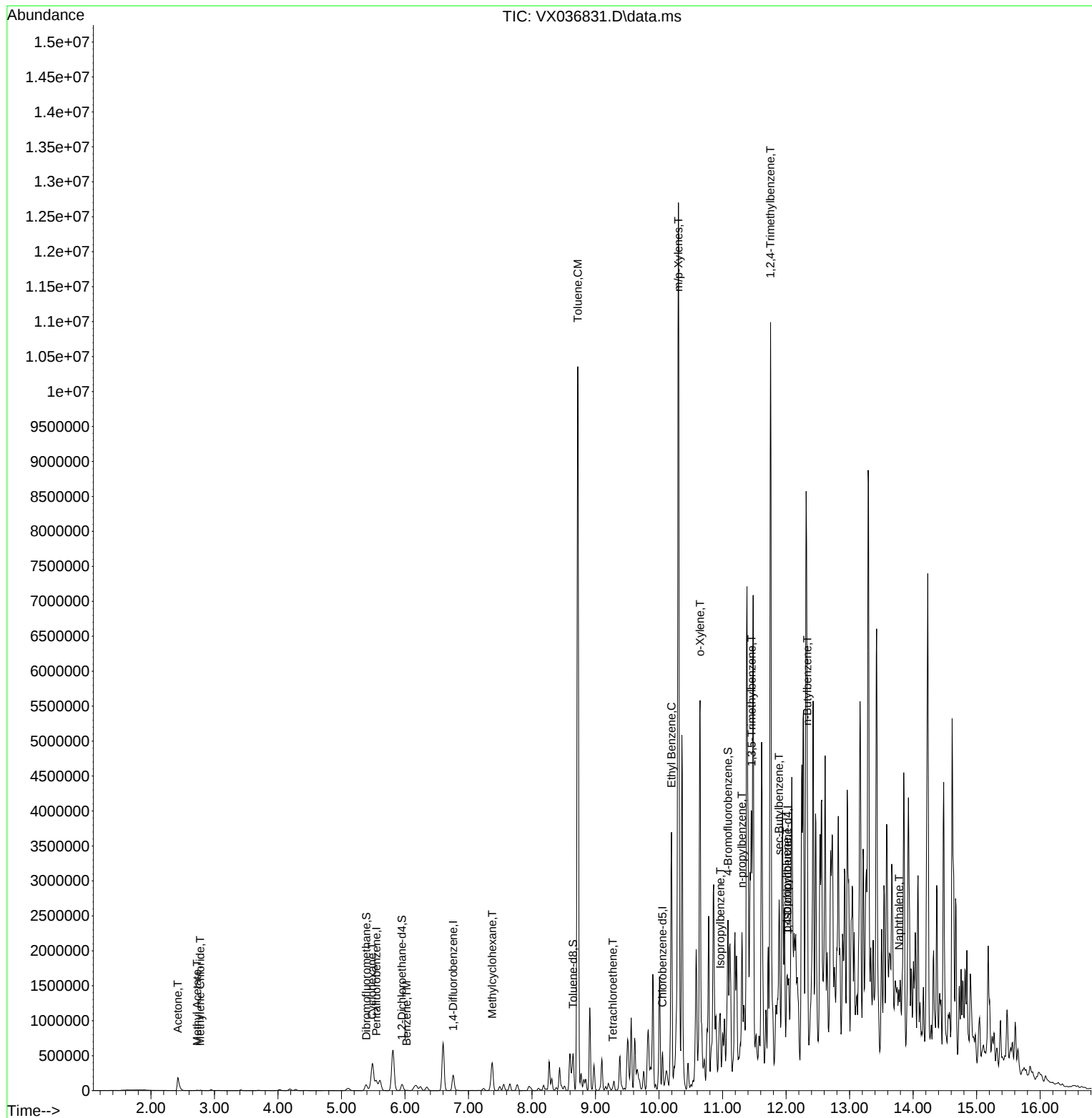
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	127416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88046	46.701	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.400%
35) Dibromofluoromethane	5.391	113	73101	46.204	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.400%
50) Toluene-d8	8.647	98	284581	50.722	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.440%
62) 4-Bromofluorobenzene	11.085	95	146481	69.200	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	138.400%#
Target Compounds						
					Qvalue	
16) Acetone	2.422	43	280278	358.260	ug/l	91
18) Methyl Acetate	2.727	43	6518	1.980	ug/l	100
20) Methylene Chloride	2.776	84	1748	1.005	ug/l	90
31) Cyclohexane	5.483	56	109307	41.874	ug/l #	57
39) Methylcyclohexane	7.373	83	184513	62.925	ug/l	95
40) Benzene	6.025	78	6753	0.984	ug/l	91
52) Toluene	8.720	92	4341250	1009.834	ug/l	92
64) Tetrachloroethene	9.275	164	2004	1.187	ug/l	87
67) Ethyl Benzene	10.195	91	1891914	207.536	ug/l	97
68) m/p-Xylenes	10.305	106	3041780	894.299	ug/l	88
69) o-Xylene	10.646	106	1235587	363.934	ug/l	95
73) Isopropylbenzene	10.963	105	342382	31.967	ug/l	98
78) n-propylbenzene	11.305	91	1110140	89.624	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	1295445	144.580	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	4121034	459.897	ug/l	91
85) sec-Butylbenzene	11.890	105	582426	53.057	ug/l	84
86) p-Isopropyltoluene	12.012	119	336258	37.227	ug/l	98
89) n-Butylbenzene	12.335	91	1251172	154.736	ug/l #	52
95) Naphthalene	13.780	128	463714	49.545	ug/l #	90

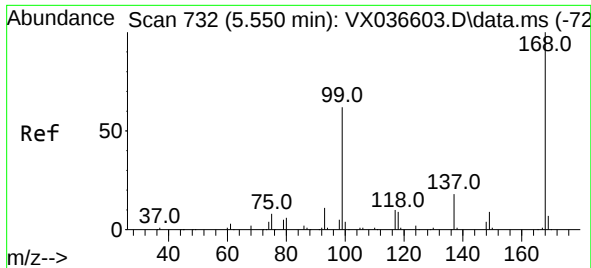
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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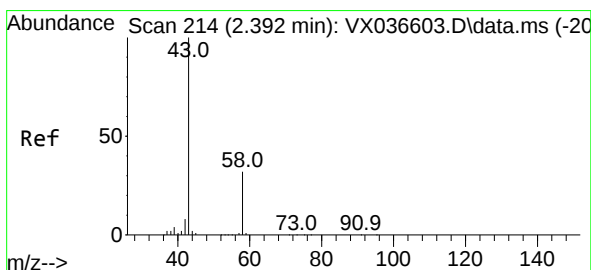
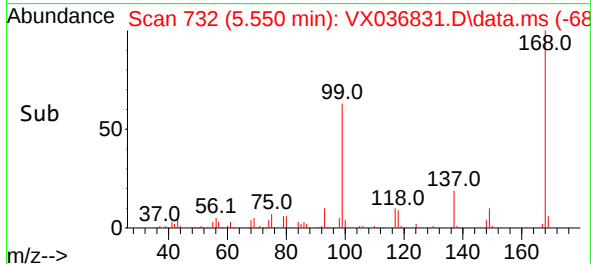
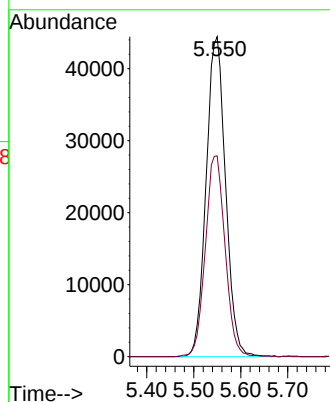
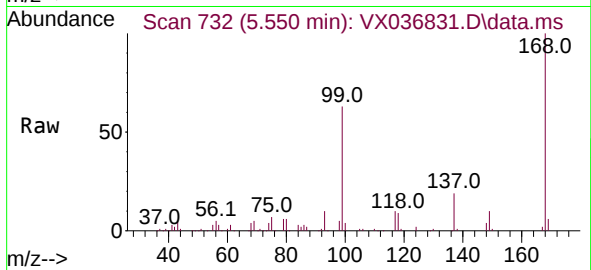




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

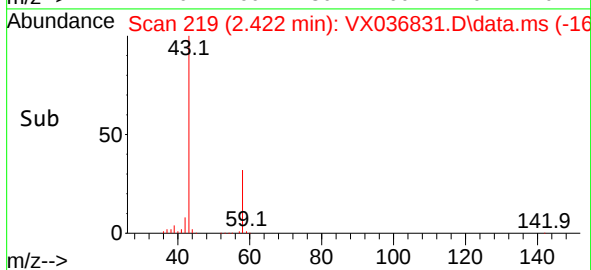
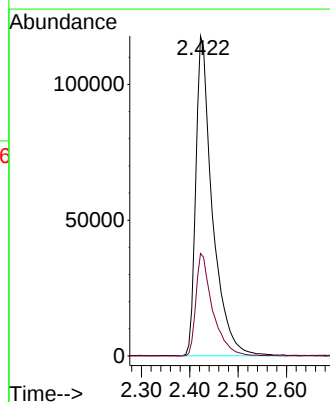
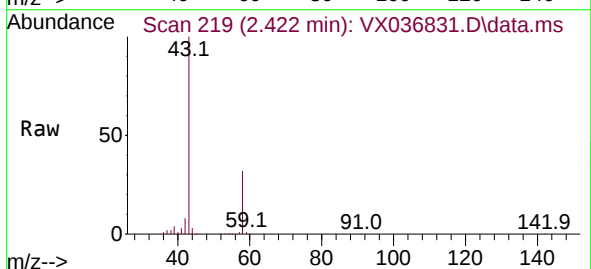
Instrument :
MSVOA_X
ClientSampleId :
522

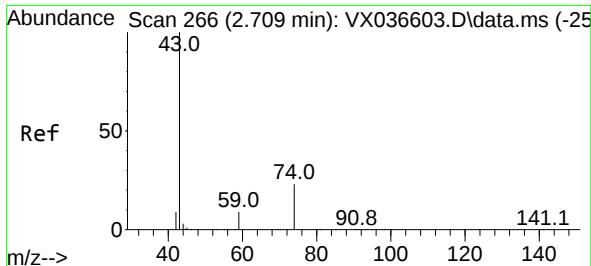
Tgt Ion:168 Resp: 127416
Ion Ratio Lower Upper
168 100
99 62.8 56.6 85.0



#16
Acetone
Concen: 358.260 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.030 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 43 Resp: 280278
Ion Ratio Lower Upper
43 100
58 32.1 21.9 32.9

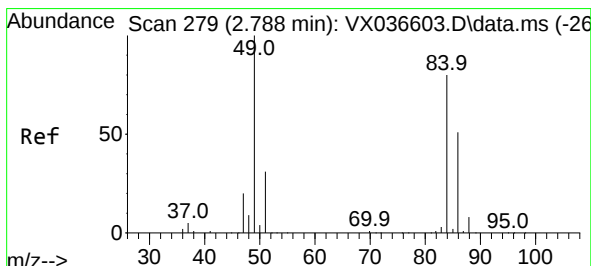
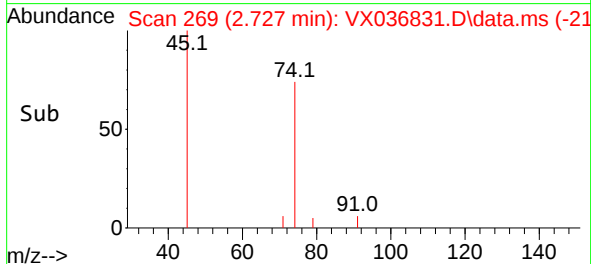
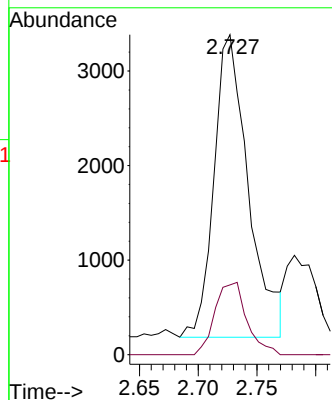
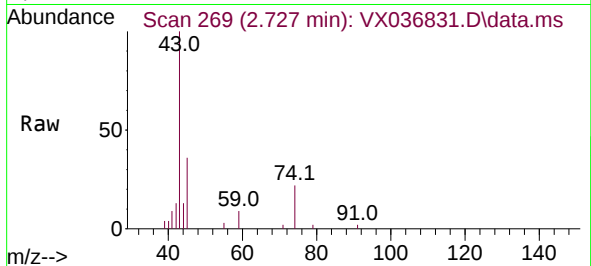




#18
Methyl Acetate
Concen: 1.980 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.018 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

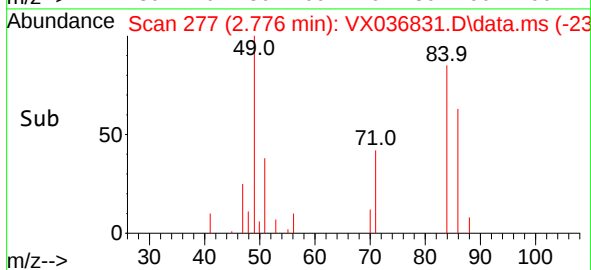
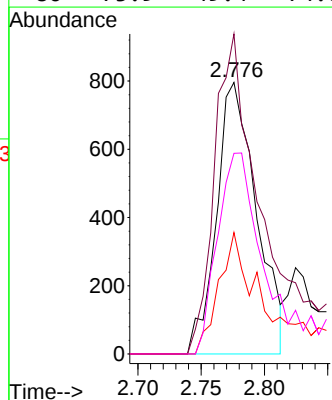
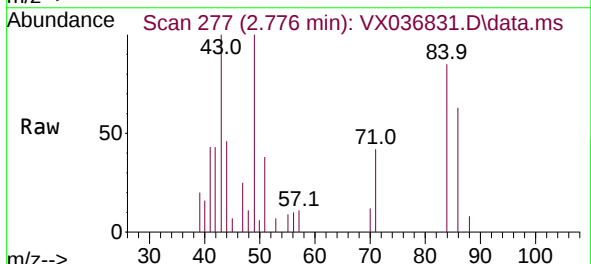
Instrument :
MSVOA_X
ClientSampleId :
522

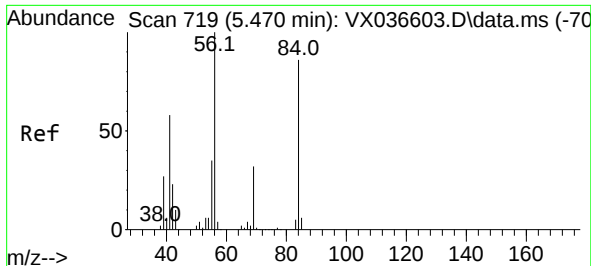
Tgt Ion: 43 Resp: 6518
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 1.005 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 84 Resp: 1748
Ion Ratio Lower Upper
84 100
49 117.8 103.6 155.4
51 44.7 33.8 50.6
86 73.9 49.4 74.0

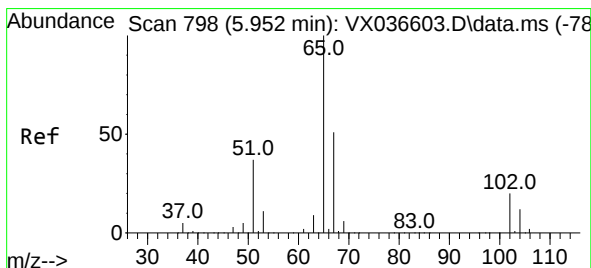
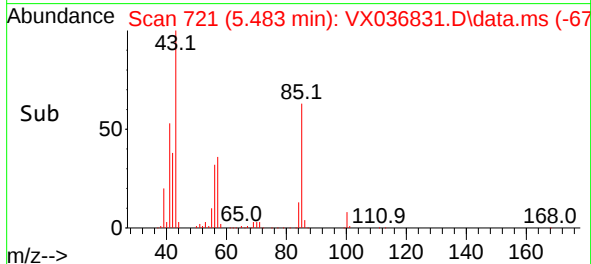
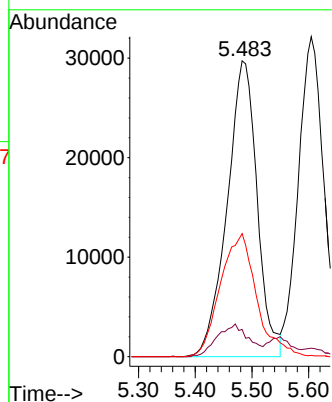
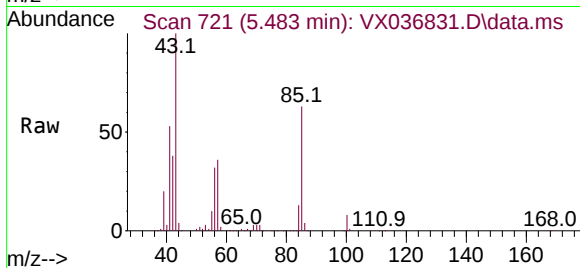




#31
Cyclohexane
Concen: 41.874 ug/l
RT: 5.483 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

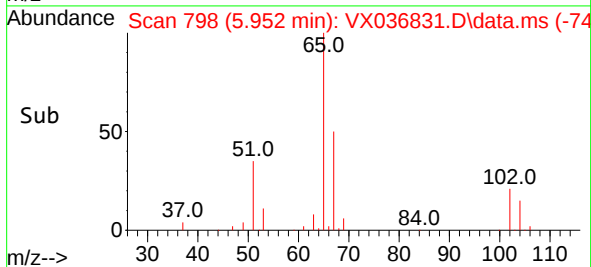
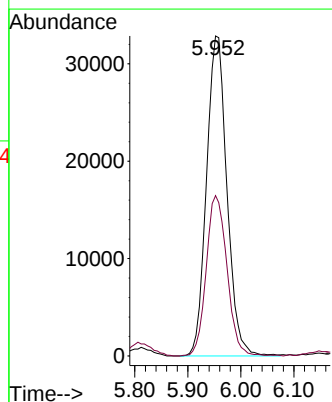
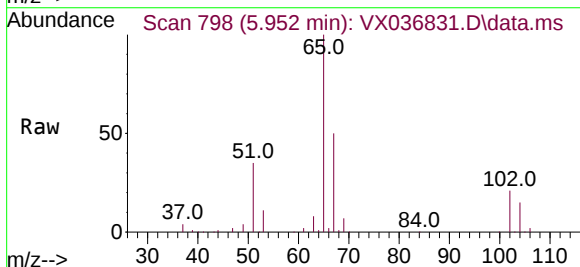
Instrument :
MSVOA_X
ClientSampleId :
522

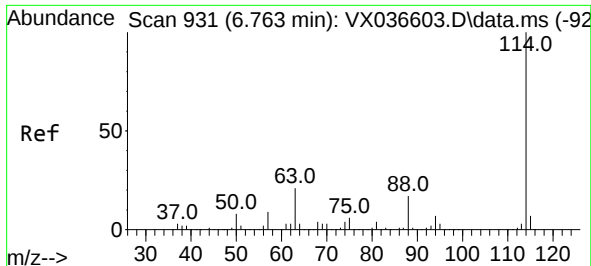
Tgt Ion: 56 Resp: 109307
Ion Ratio Lower Upper
56 100
69 9.2 23.4 35.2#
84 41.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.701 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 65 Resp: 88046
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

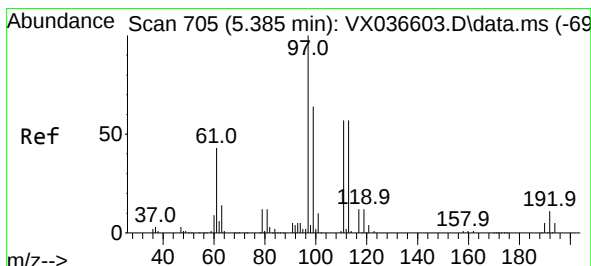
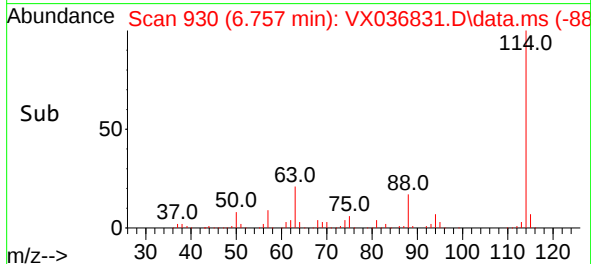
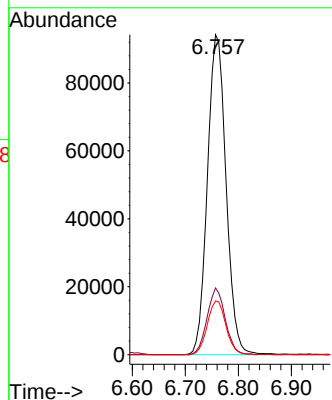
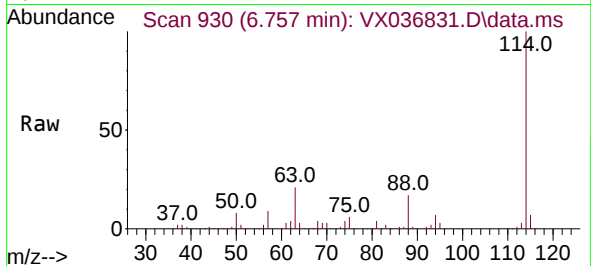




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

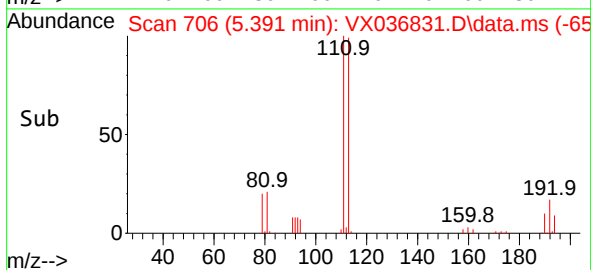
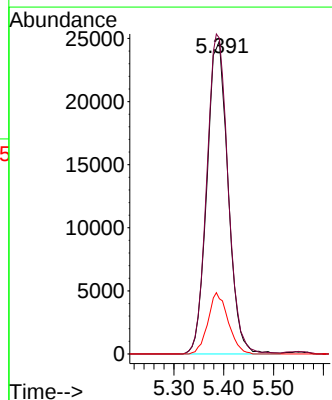
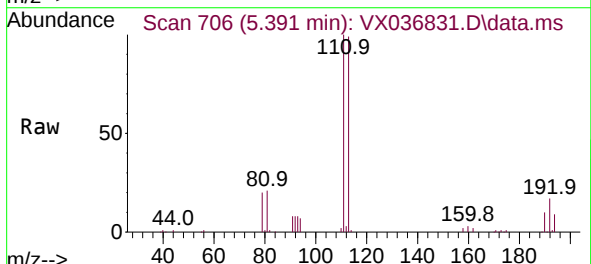
Instrument :
MSVOA_X
ClientSampleId :
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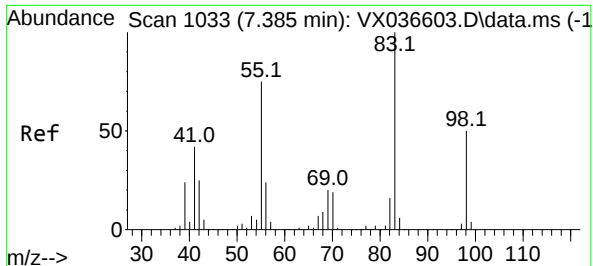
Tgt Ion:114 Resp: 230180
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.204 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion:113 Resp: 73101
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 18.7 13.3 19.9





#39

Methylcyclohexane

Concen: 62.925 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.012 min

Lab File: VX036831.D

Acq: 07 Aug 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

522

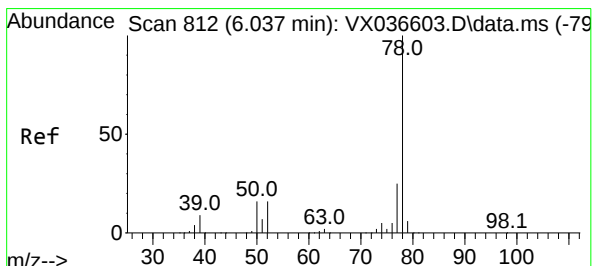
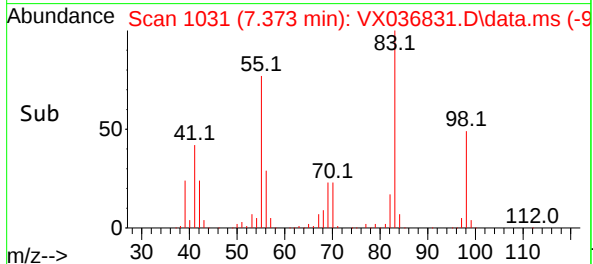
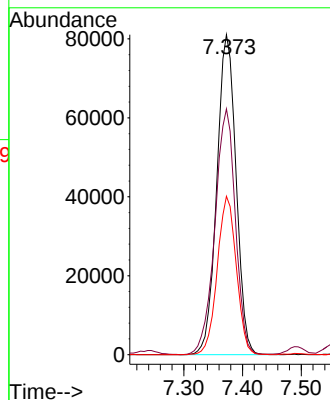
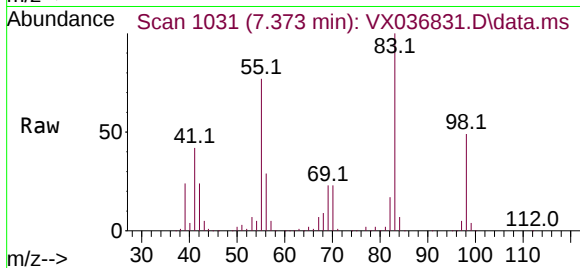
Tgt Ion: 83 Resp: 184513

Ion Ratio Lower Upper

83 100

55 76.8 64.6 97.0

98 49.5 36.7 55.1



#40

Benzene

Concen: 0.984 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.012 min

Lab File: VX036831.D

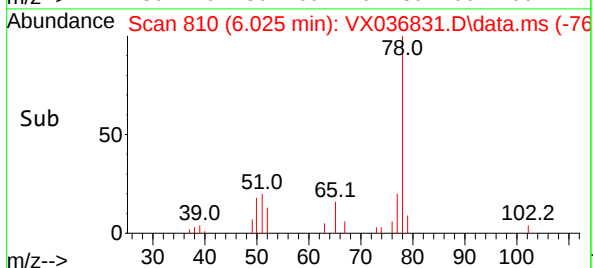
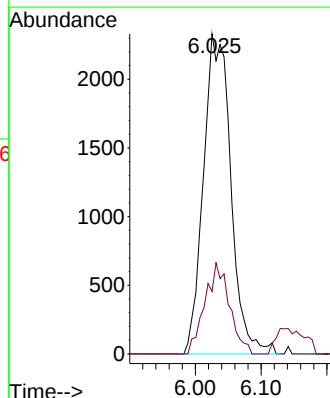
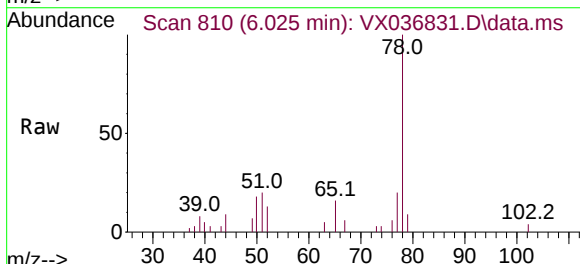
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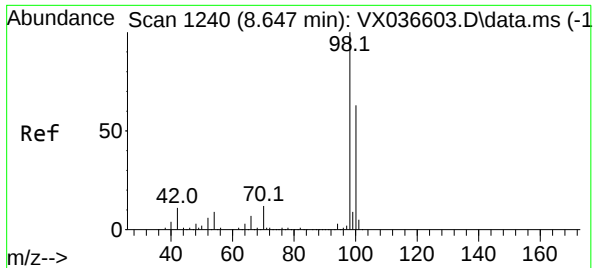
Tgt Ion: 78 Resp: 6753

Ion Ratio Lower Upper

78 100

77 19.5 19.3 28.9

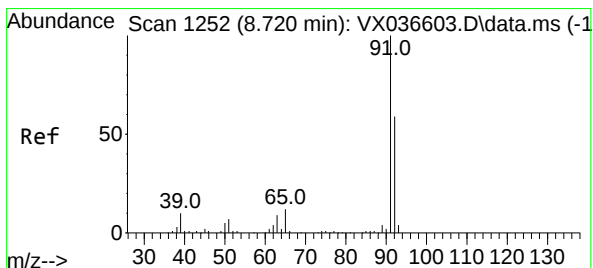
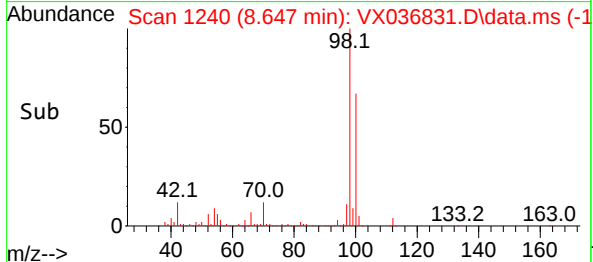
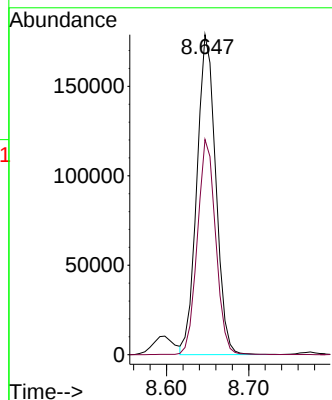
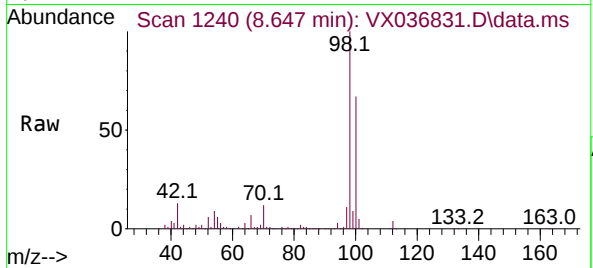




#50
Toluene-d8
Concen: 50.722 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

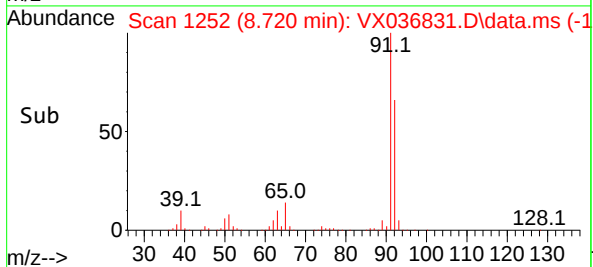
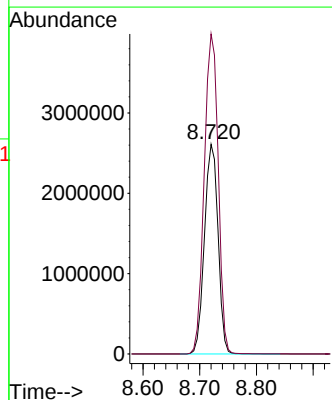
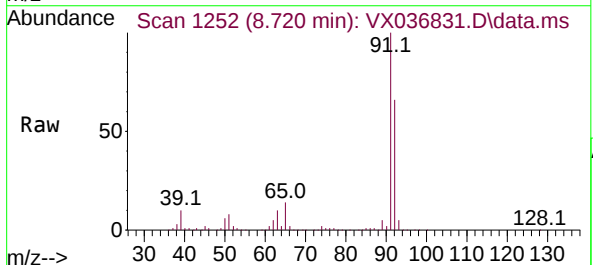
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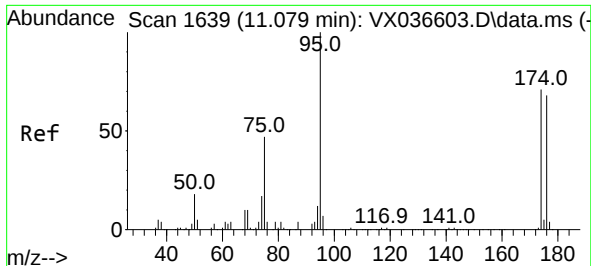
Tgt Ion: 98 Resp: 284581
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7



#52
Toluene
Concen: 1009.834 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 92 Resp: 4341250
Ion Ratio Lower Upper
92 100
91 157.3 134.2 201.2

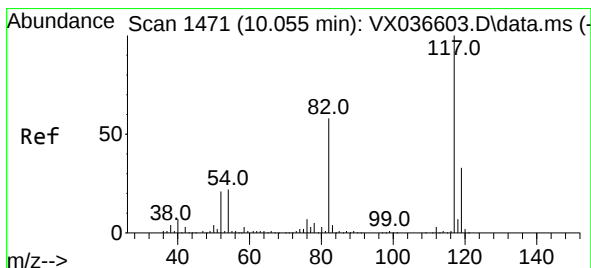
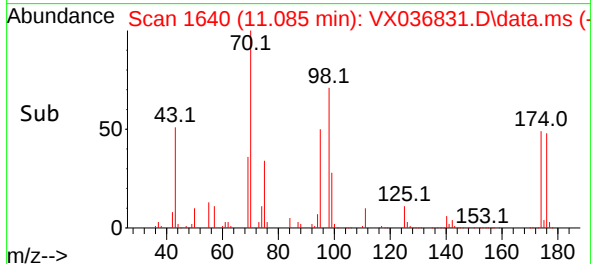
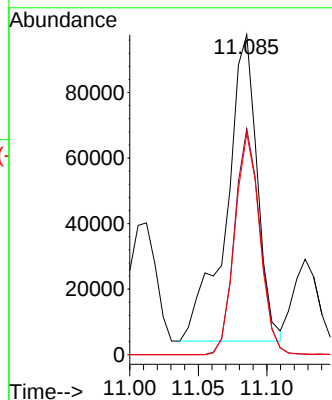
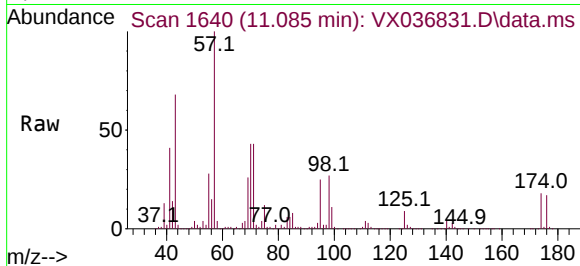




#62
4-Bromofluorobenzene
Concen: 69.200 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

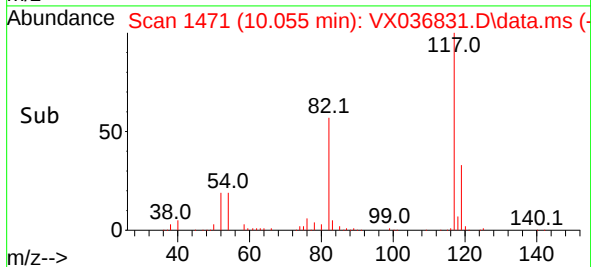
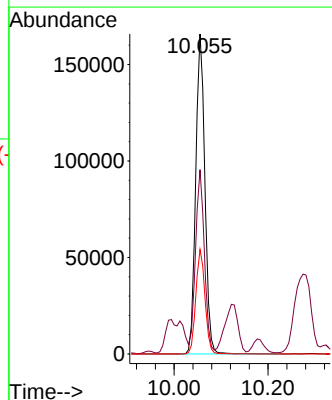
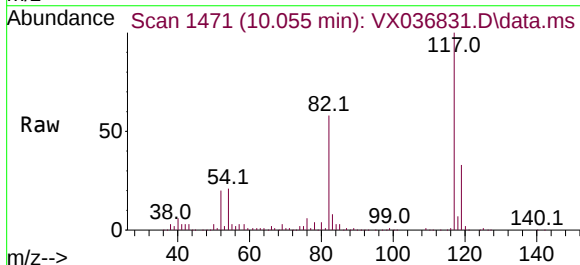
Instrument :
MSVOA_X
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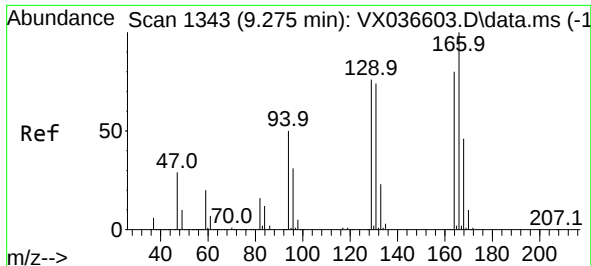
Tgt Ion: 95 Resp: 146481
Ion Ratio Lower Upper
95 100
174 60.7 0.0 135.6
176 58.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 117 Resp: 226384
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 32.6 25.5 38.3



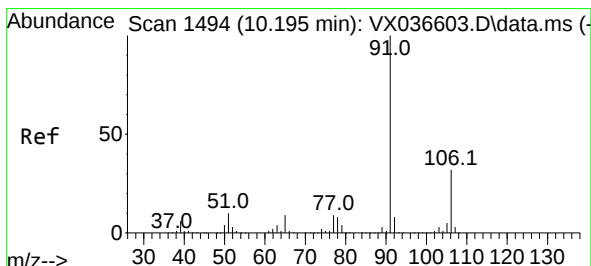
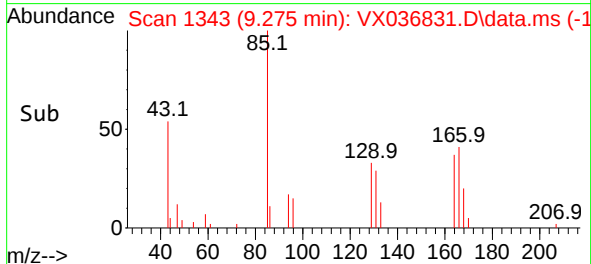
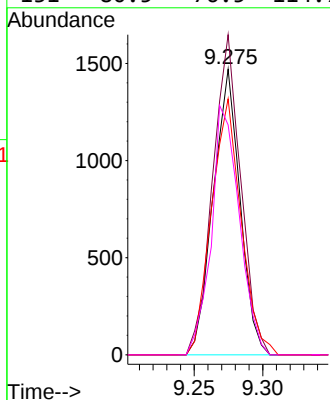
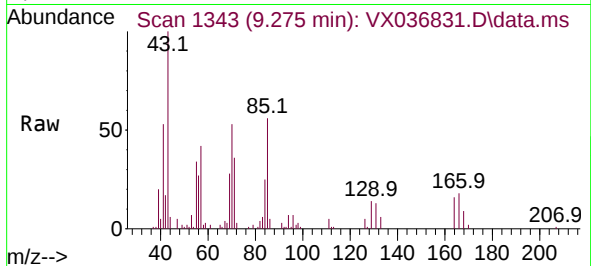


#64
Tetrachloroethene
Concen: 1.187 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Instrument :
MSVOA_X
ClientSampleId :
522

Tgt Ion:164 Resp: 2004

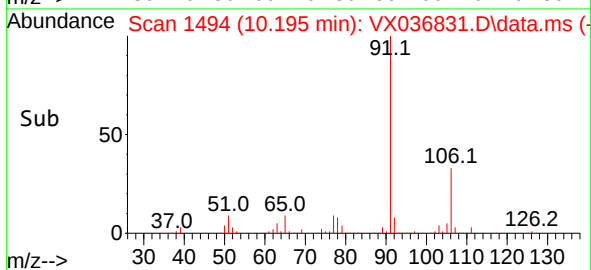
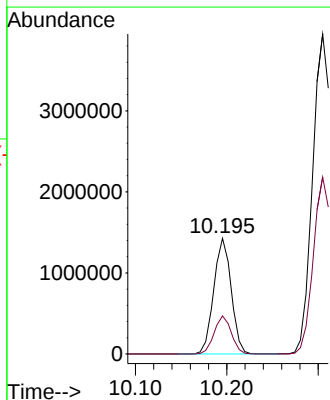
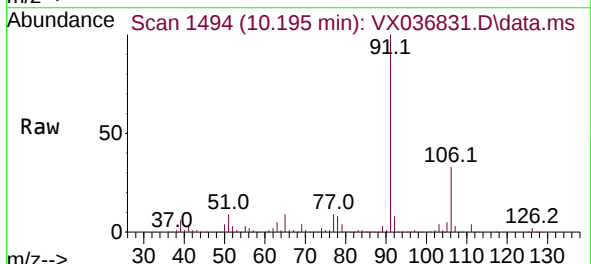
Ion	Ratio	Lower	Upper
164	100		
166	112.1	102.7	154.1
129	89.7	80.4	120.6
131	80.5	76.5	114.7

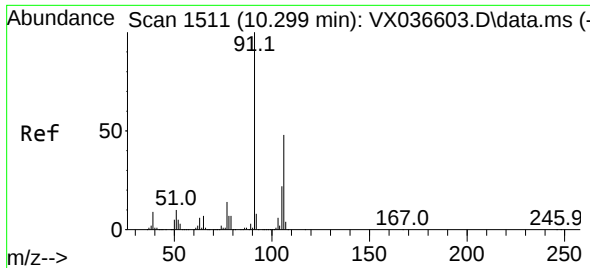


#67
Ethyl Benzene
Concen: 207.536 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 91 Resp: 1891914

Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.9	37.3

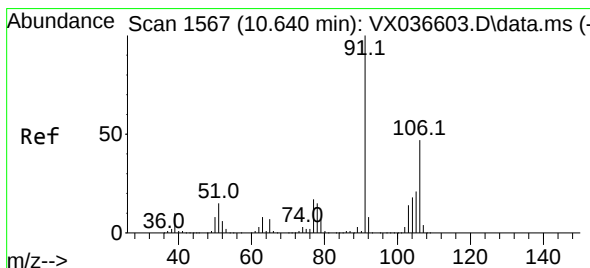
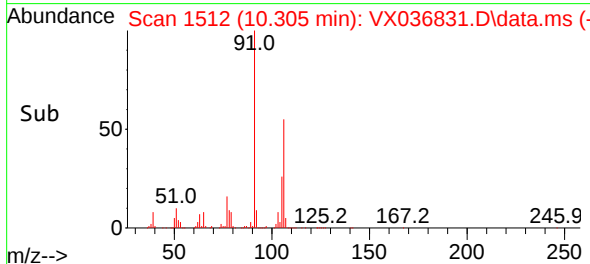
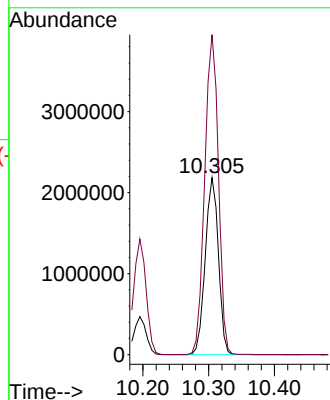
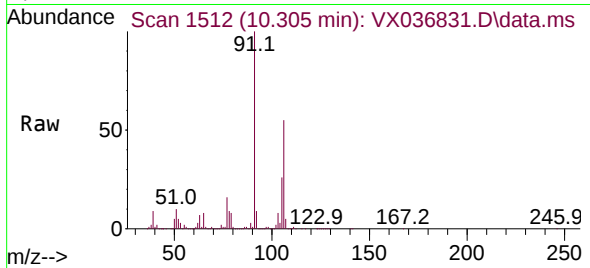




#68
m/p-Xylenes
Concen: 894.299 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

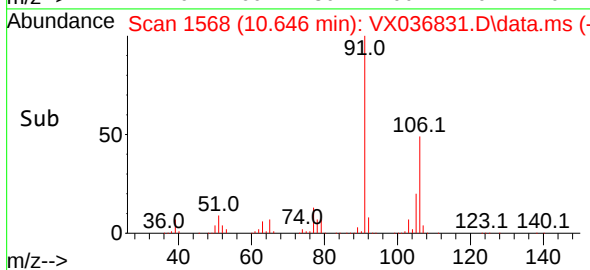
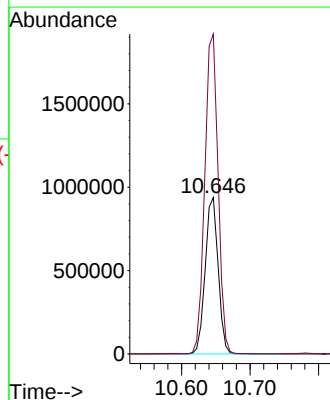
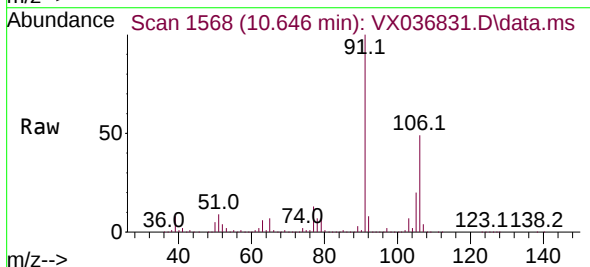
Instrument :
MSVOA_X
ClientSampleId :
522

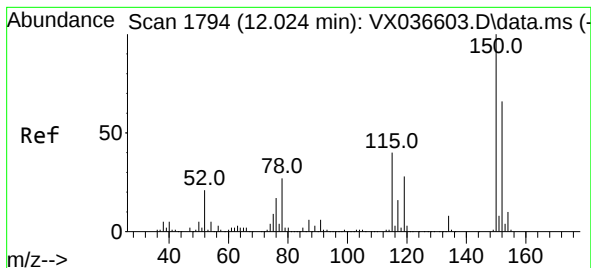
Tgt Ion:106 Resp: 3041780
Ion Ratio Lower Upper
106 100
91 188.4 165.5 248.3



#69
o-Xylene
Concen: 363.934 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion:106 Resp: 1235587
Ion Ratio Lower Upper
106 100
91 209.7 108.9 326.8

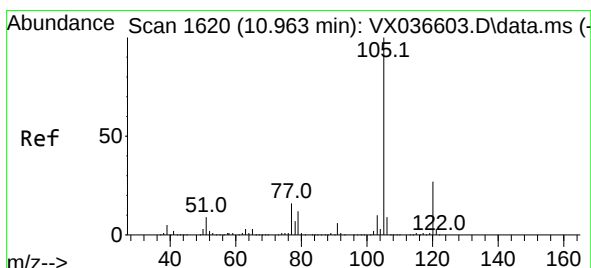
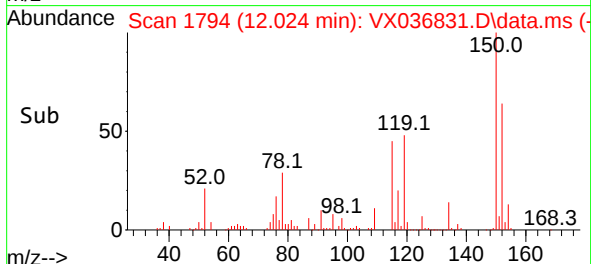
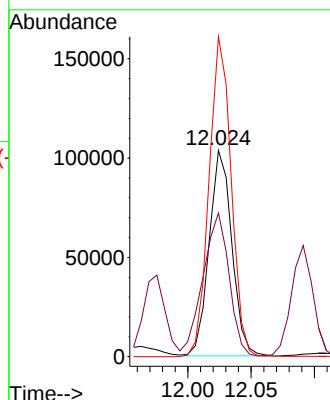
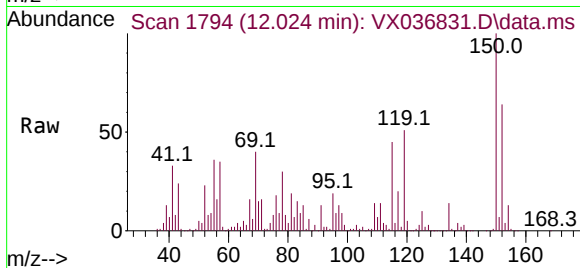




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

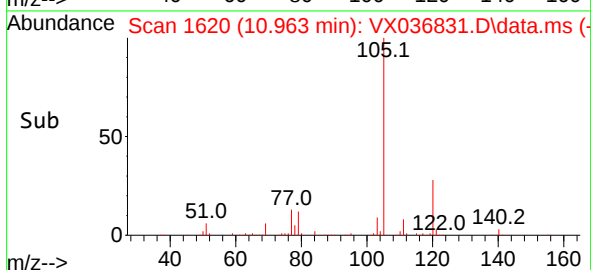
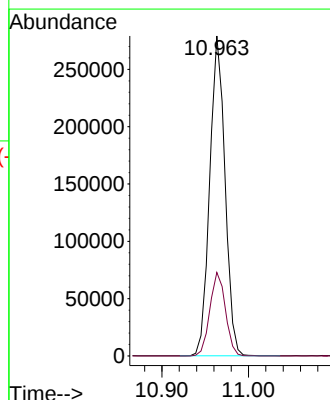
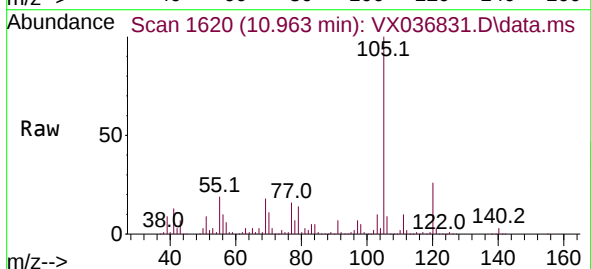
Instrument :
MSVOA_X
ClientSampleId :
522

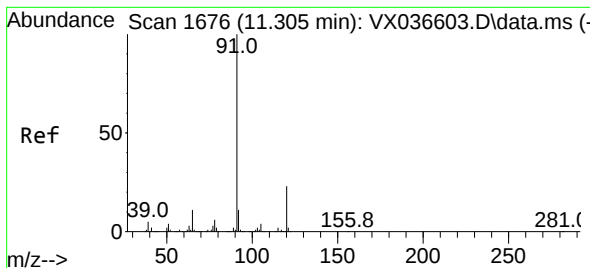
Tgt Ion:152 Resp: 129417
Ion Ratio Lower Upper
152 100
115 79.5 43.3 129.9
150 151.4 0.0 345.0



#73
Isopropylbenzene
Concen: 31.967 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion:105 Resp: 342382
Ion Ratio Lower Upper
105 100
120 26.6 12.9 38.6





#78

n-propylbenzene

Concen: 89.624 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036831.D

Acq: 07 Aug 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

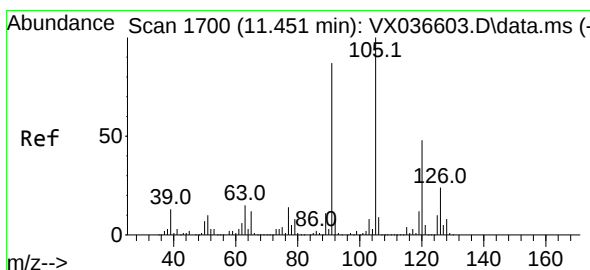
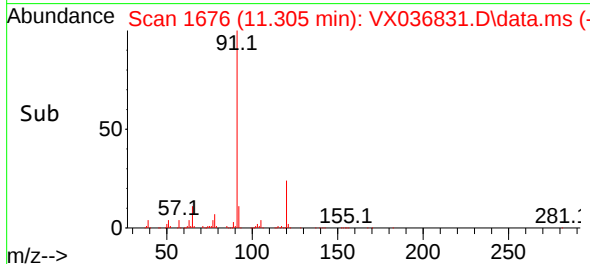
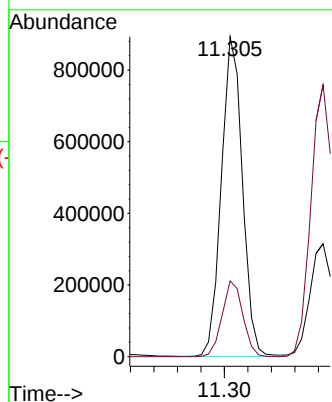
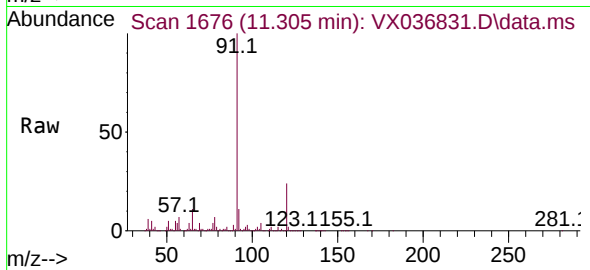
522

Tgt Ion: 91 Resp: 1110140

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 144.580 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX036831.D

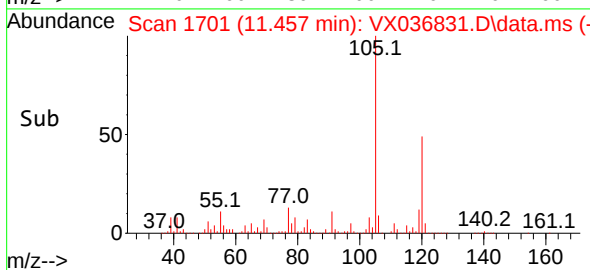
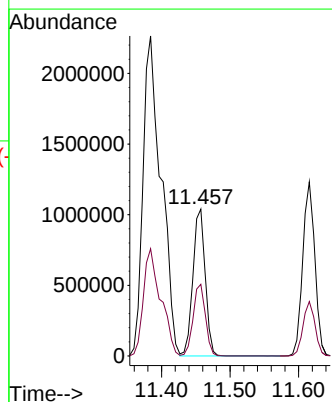
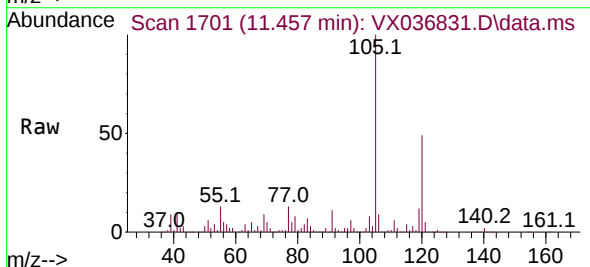
Acq: 07 Aug 2023 12:42

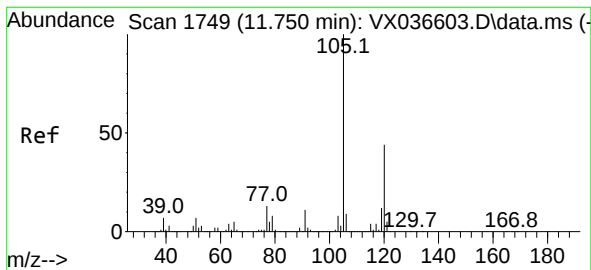
Tgt Ion:105 Resp: 1295445

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 459.897 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX036831.D

Acq: 07 Aug 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

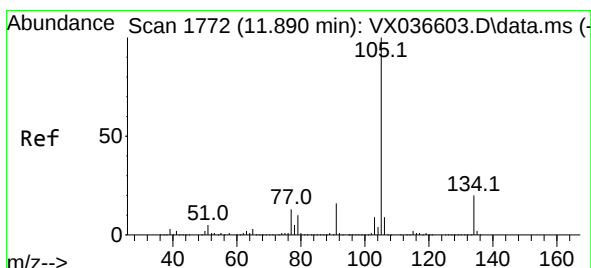
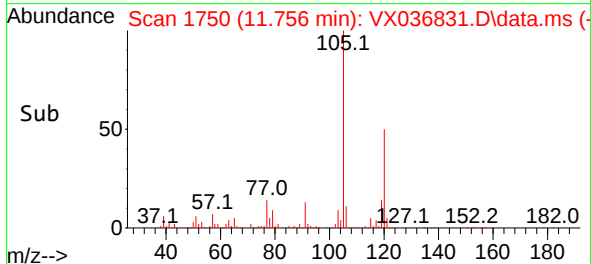
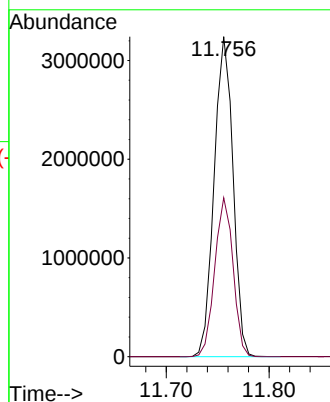
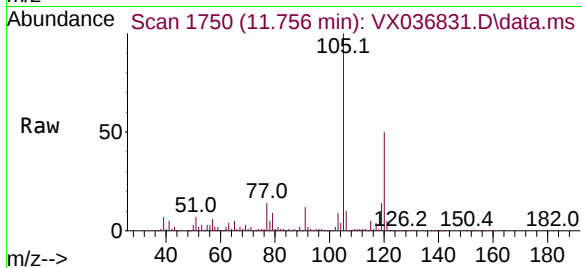
522

Tgt Ion:105 Resp: 4121034

Ion Ratio Lower Upper

105 100

120 48.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 53.057 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX036831.D

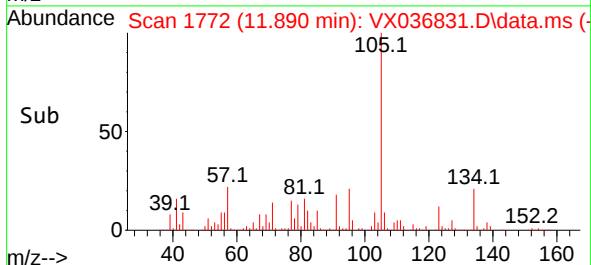
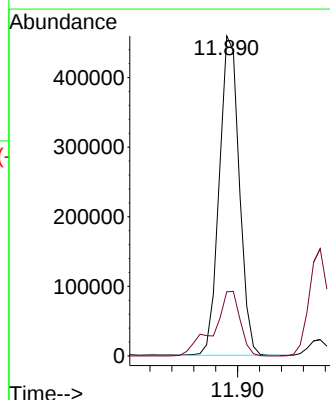
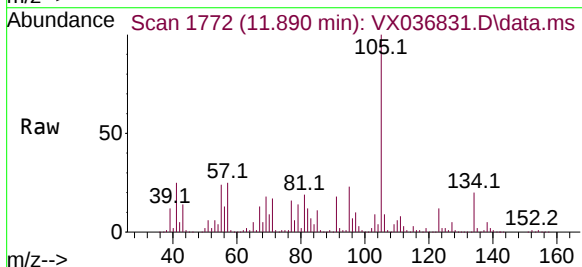
Acq: 07 Aug 2023 12:42

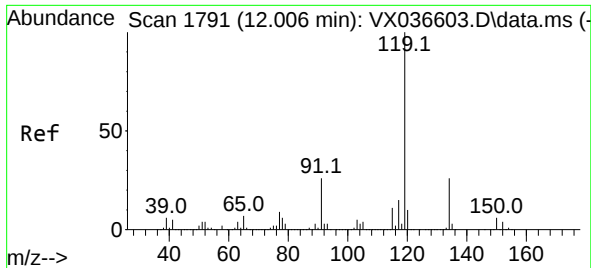
Tgt Ion:105 Resp: 582426

Ion Ratio Lower Upper

105 100

134 26.8 9.8 29.4

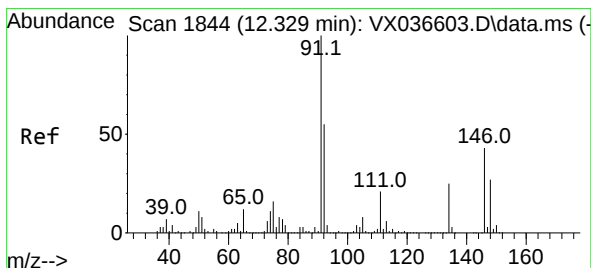
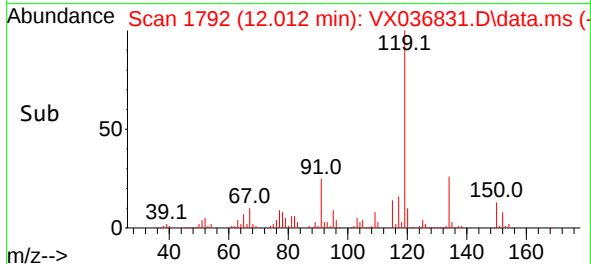
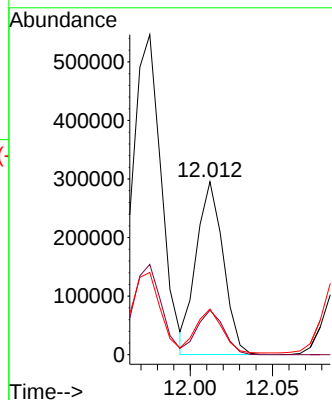
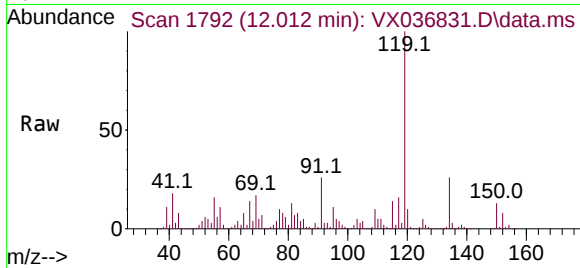




#86
p-Isopropyltoluene
Concen: 37.227 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

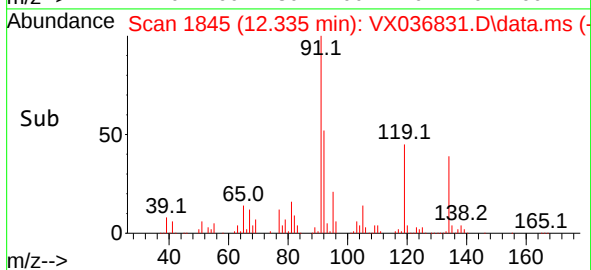
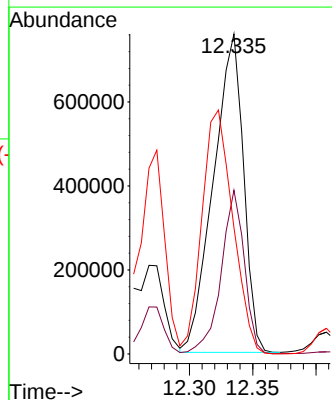
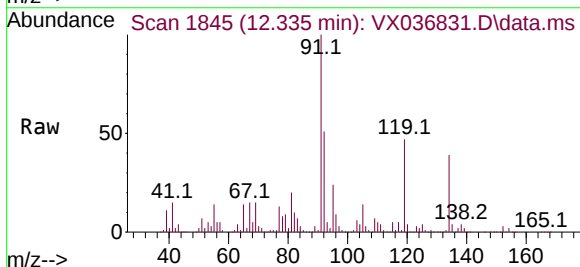
Instrument :
MSVOA_X
ClientSampleId :
522

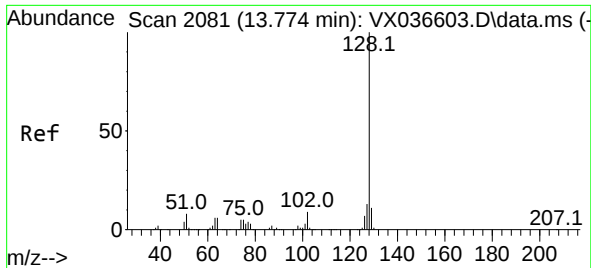
Tgt Ion:119 Resp: 336258
Ion Ratio Lower Upper
119 100
134 26.1 12.8 38.3
91 24.9 13.1 39.3



#89
n-Butylbenzene
Concen: 154.736 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Tgt Ion: 91 Resp: 1251172
Ion Ratio Lower Upper
91 100
92 39.6 27.4 82.0
134 78.9 12.6 37.8#





#95
Naphthalene
Concen: 49.545 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036831.D
Acq: 07 Aug 2023 12:42

Instrument :
MSVOA_X
ClientSampleId :
522

Tgt Ion:128 Resp: 463714
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 17.6 8.8 13.2#

