

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121922\
 Data File : VN075883.D
 Acq On : 19 Dec 2022 19:58
 Operator : JC\MD
 Sample : N6096-02
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Dec 20 01:31:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

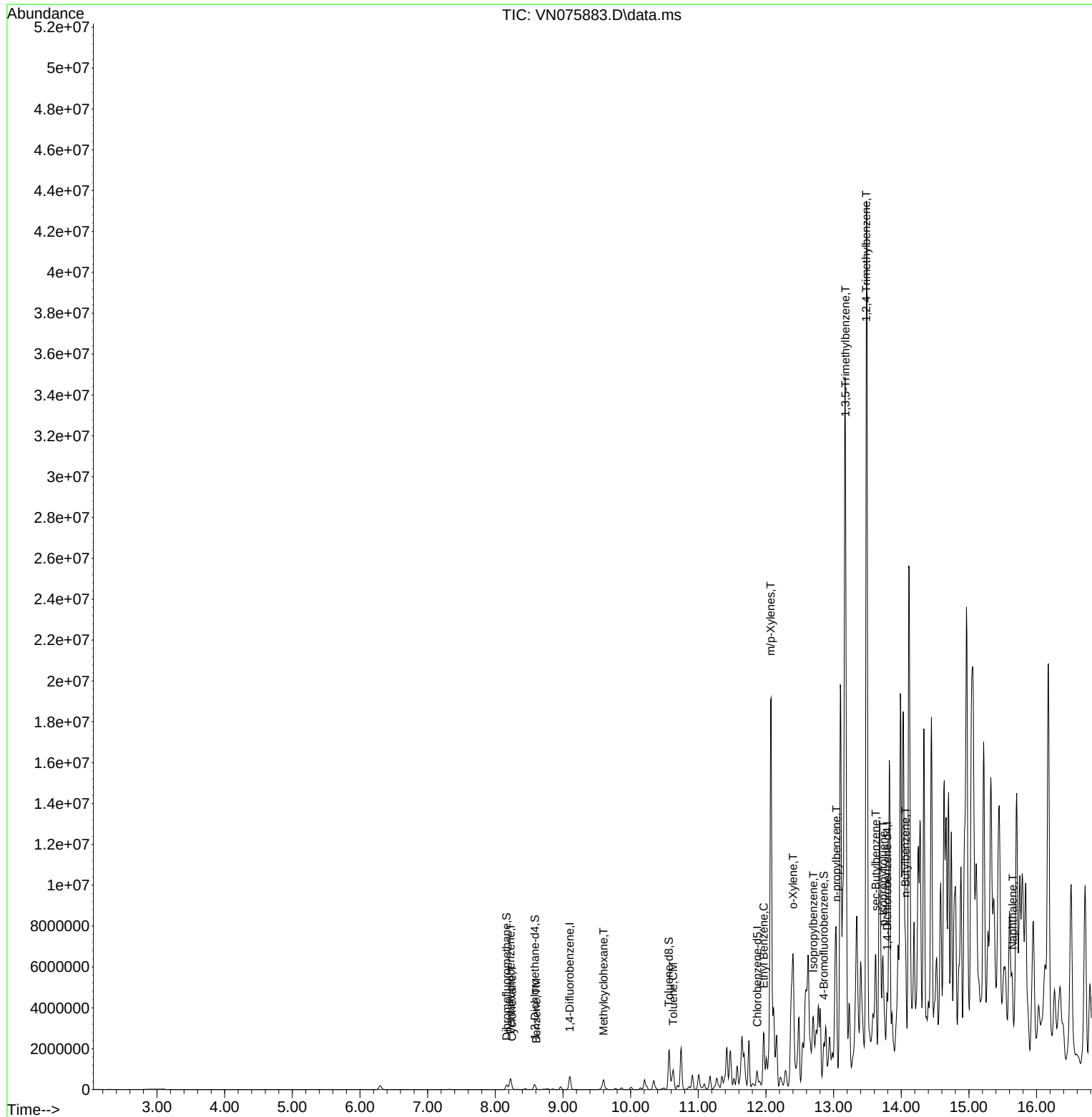
Internal Standards						
1) Pentafluorobenzene	8.224	168	386599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	604493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	509571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	306488	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	193240	45.946	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.900%
35) Dibromofluoromethane	8.165	113	168167	44.922	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.840%
50) Toluene-d8	10.565	98	757824	54.143	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.280%
62) 4-Bromofluorobenzene	12.853	95	332233	71.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	143.340%#
Target Compounds						
					Qvalue	
31) Cyclohexane	8.247	56	30689	5.095	ug/l #	90
39) Methylcyclohexane	9.600	83	222153	37.029	ug/l	96
40) Benzene	8.606	78	19440	1.267	ug/l	99
52) Toluene	10.629	92	405039	40.534	ug/l	99
67) Ethyl Benzene	11.965	91	1781908	100.947	ug/l	99
68) m/p-Xylenes	12.071	106	2972799	425.501	ug/l	97
69) o-Xylene	12.400	106	1333782	192.911	ug/l	98
73) Isopropylbenzene	12.700	105	1080668	48.793	ug/l	100
78) n-propylbenzene	13.041	91	3721489	152.344	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	6991781	377.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	17964160	976.880	ug/l	78
85) sec-Butylbenzene	13.623	105	2873370	127.377	ug/l	83
86) p-Isopropyltoluene	13.735	119	1665178	88.714	ug/l	97
89) n-Butylbenzene	14.065	91	2867725	188.588	ug/l #	76
95) Naphthalene	15.647	128	1003054	59.693	ug/l #	88

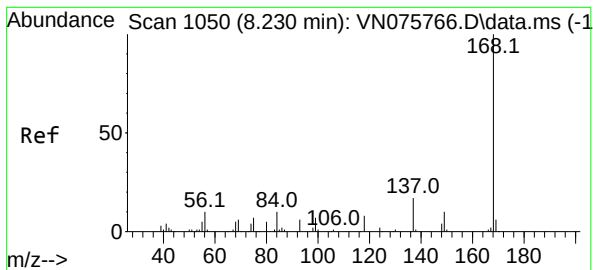
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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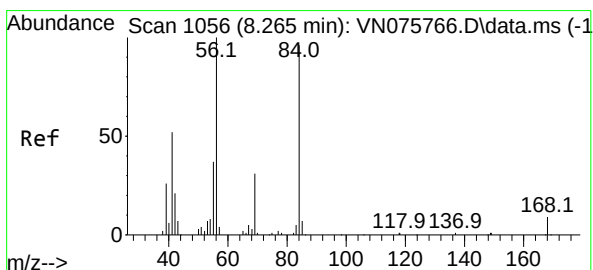
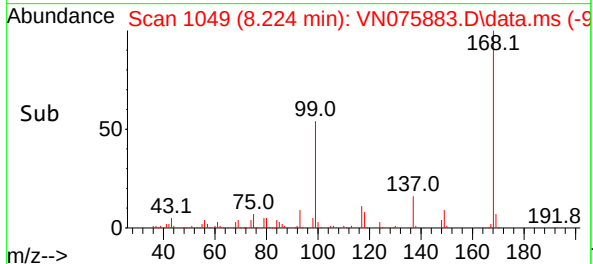
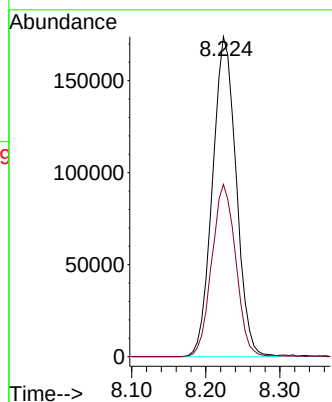
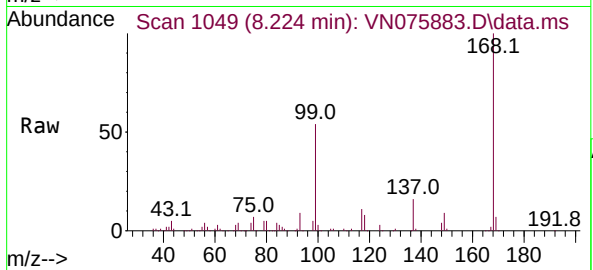




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

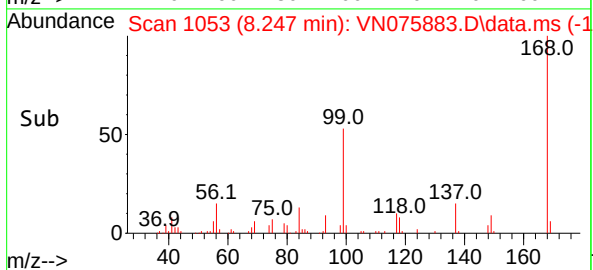
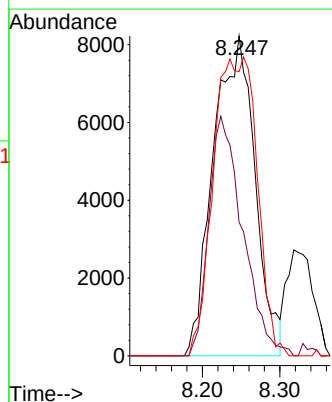
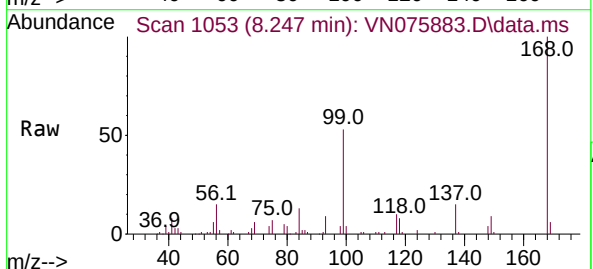
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

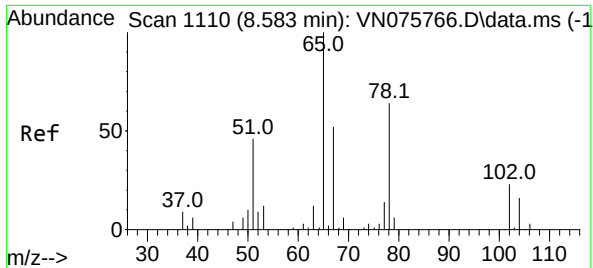
Tgt Ion:168 Resp: 386599
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#31
Cyclohexane
Concen: 5.095 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion: 56 Resp: 30689
Ion Ratio Lower Upper
56 100
69 41.8 24.7 37.1#
84 88.8 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 45.946 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075883.D

Acq: 19 Dec 2022 19:58

Instrument :

MSVOA_N

ClientSampleId :

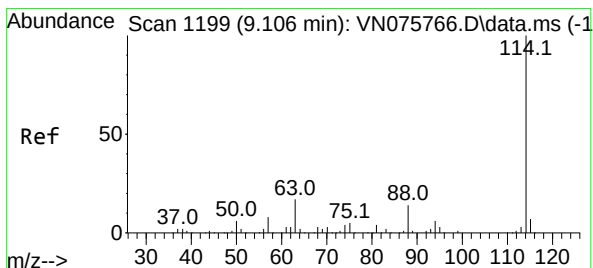
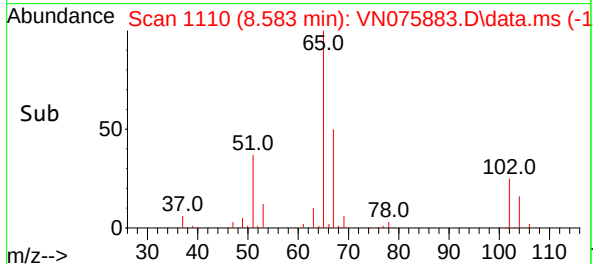
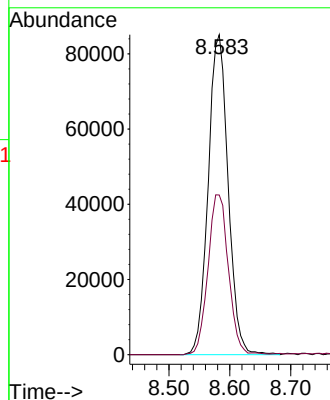
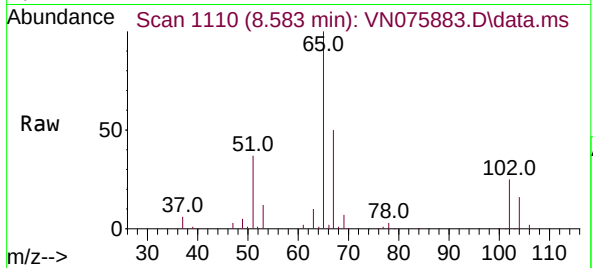
COMP-1

Tgt Ion: 65 Resp: 193240

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075883.D

Acq: 19 Dec 2022 19:58

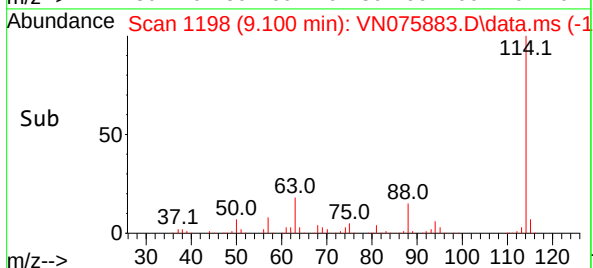
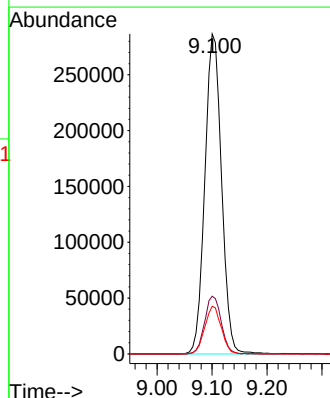
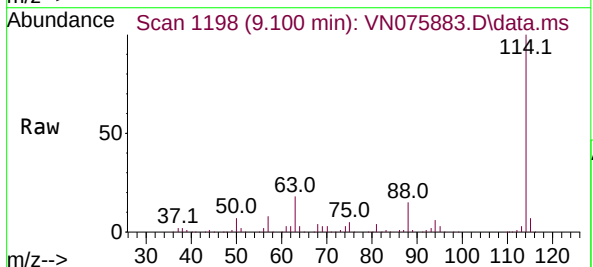
Tgt Ion: 114 Resp: 604493

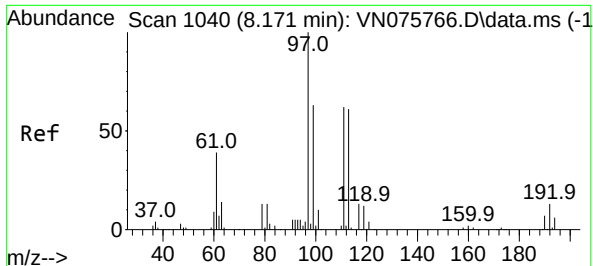
Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.9 0.0 28.8

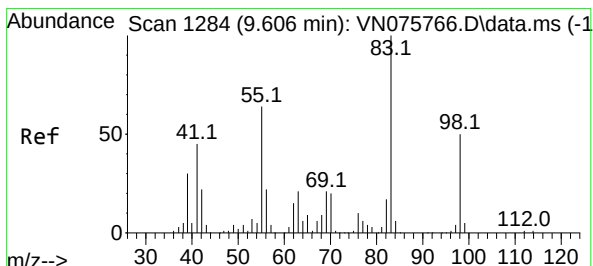
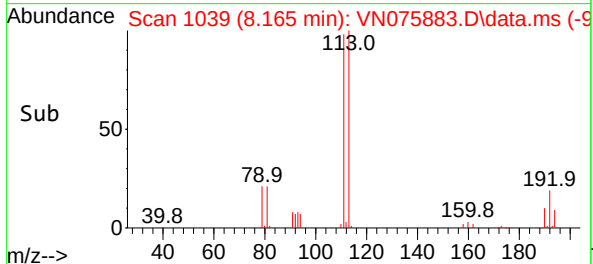
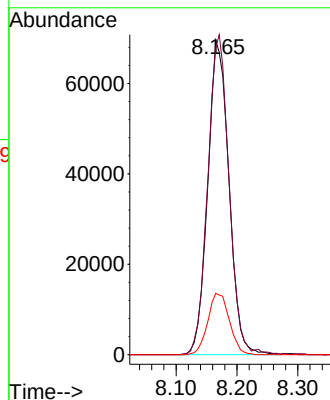
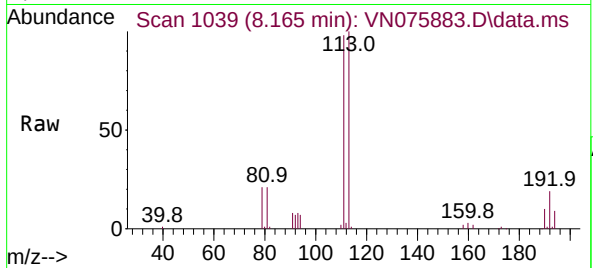




#35
Dibromofluoromethane
Concen: 44.922 ug/l
RT: 8.165 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

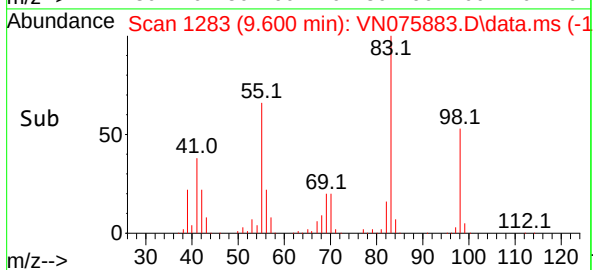
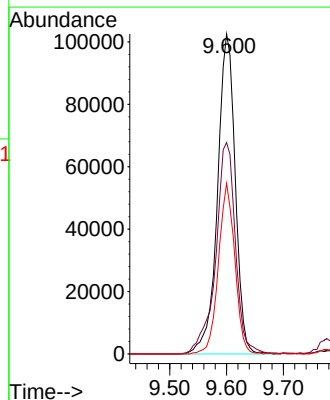
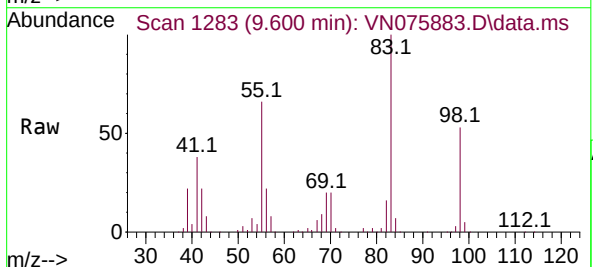
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

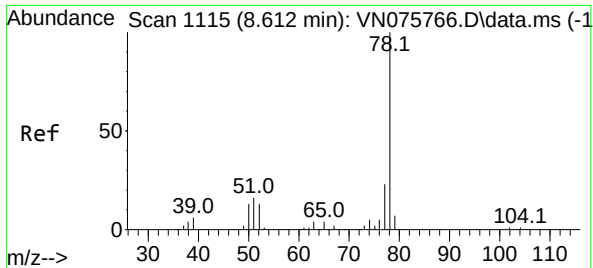
Tgt Ion:113 Resp: 168167
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 19.8 16.1 24.1



#39
Methylcyclohexane
Concen: 37.029 ug/l
RT: 9.600 min Scan# 1283
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion: 83 Resp: 222153
Ion Ratio Lower Upper
83 100
55 66.0 51.4 77.0
98 53.3 39.8 59.8

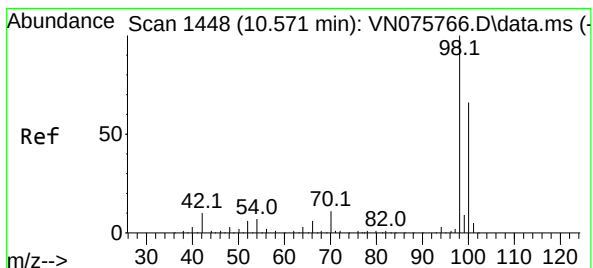
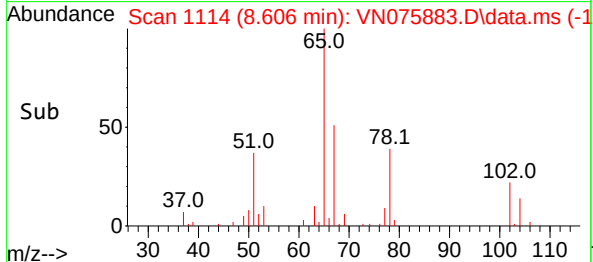
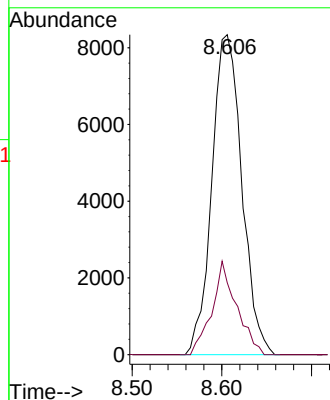
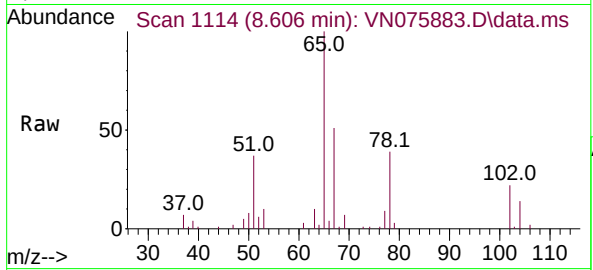




#40
Benzene
Concen: 1.267 ug/l
RT: 8.606 min Scan# 1115
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

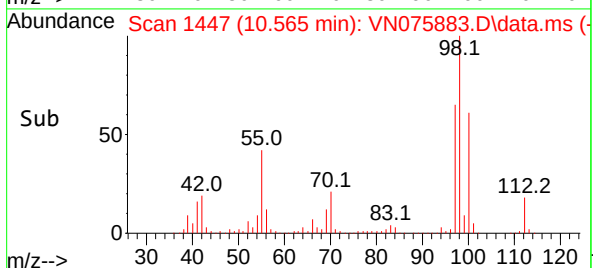
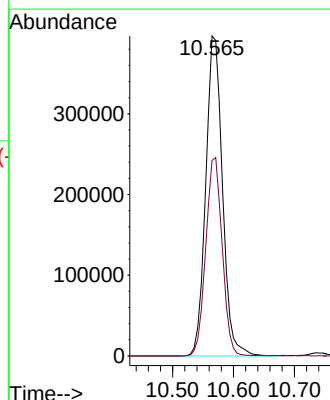
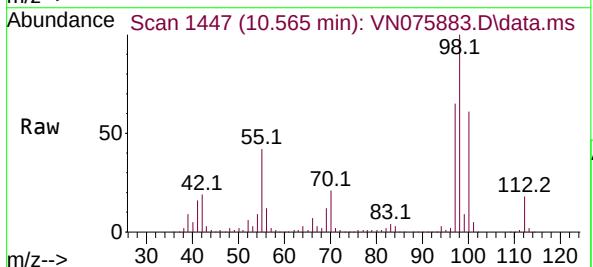
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

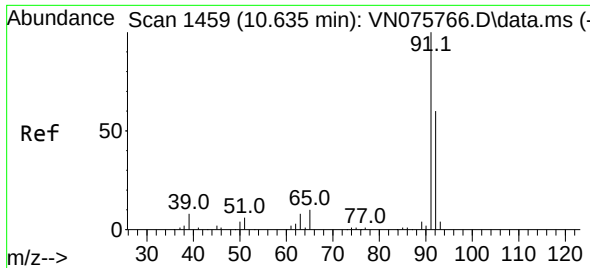
Tgt Ion: 78 Resp: 19440
Ion Ratio Lower Upper
78 100
77 22.5 18.5 27.7



#50
Toluene-d8
Concen: 54.143 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion: 98 Resp: 757824
Ion Ratio Lower Upper
98 100
100 60.7 52.1 78.1

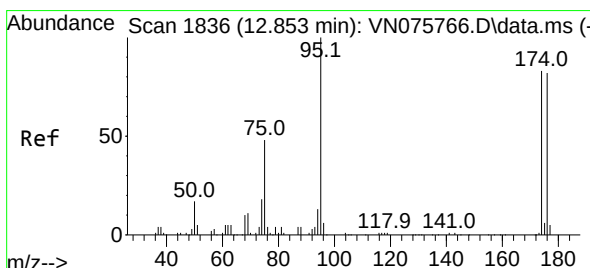
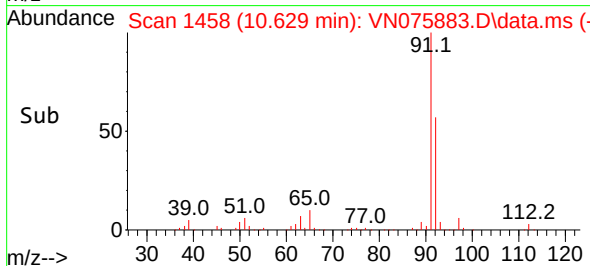
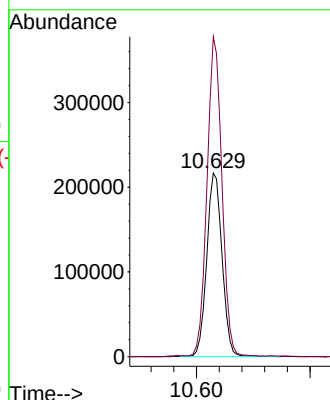
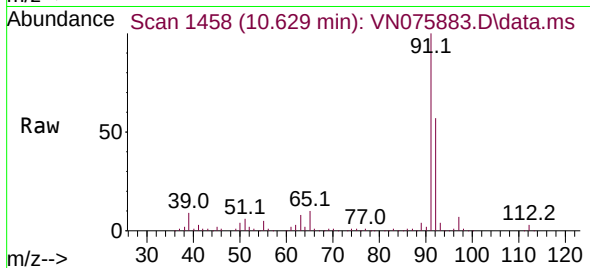




#52
Toluene
Concen: 40.534 ug/l
RT: 10.629 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

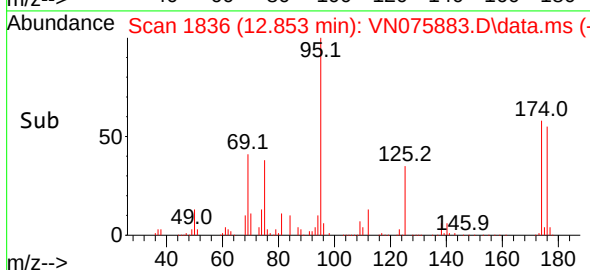
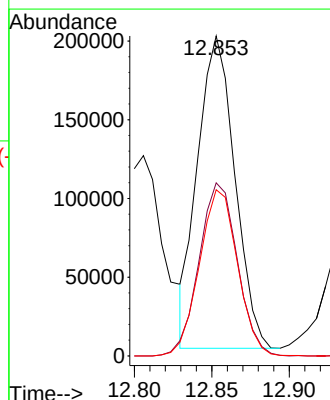
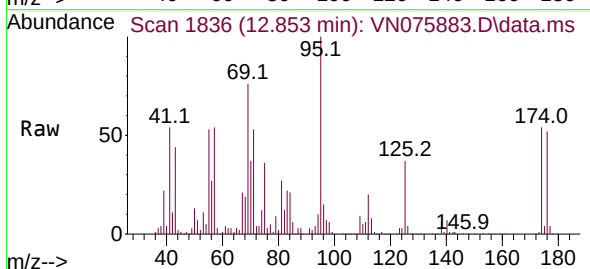
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MSVOA_N
ClientSampleId :
COMP-1

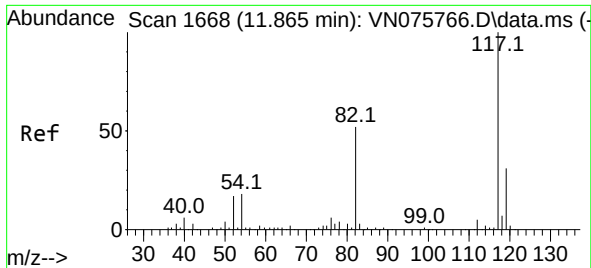
Tgt Ion: 92 Resp: 405039
Ion Ratio Lower Upper
92 100
91 169.6 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 71.666 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion: 95 Resp: 332233
Ion Ratio Lower Upper
95 100
174 56.9 0.0 171.6
176 54.6 0.0 169.2

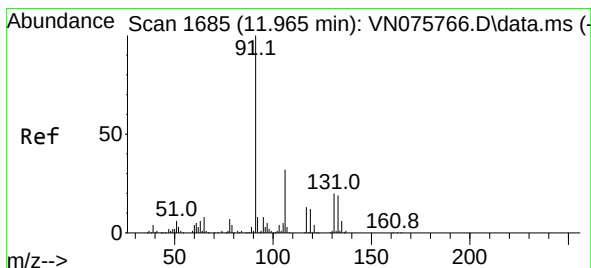
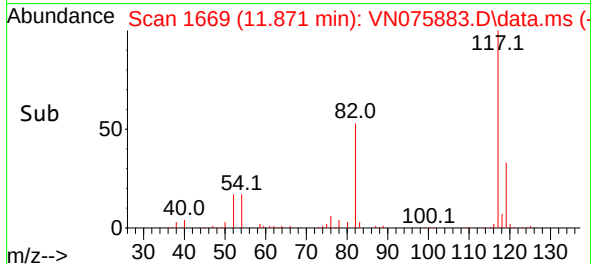
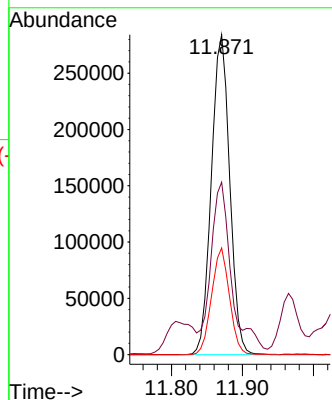
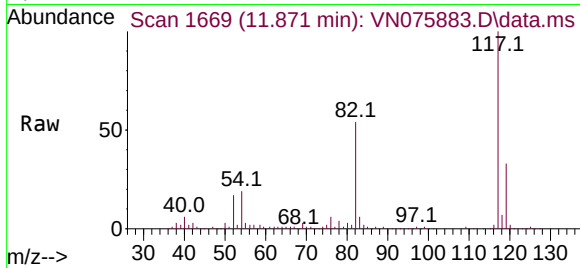




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

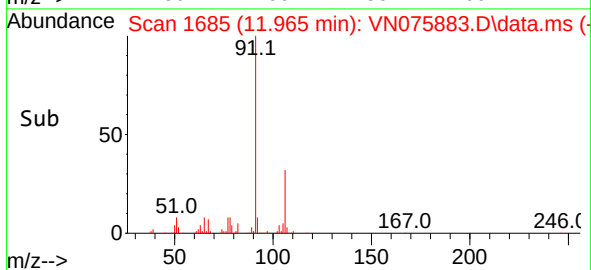
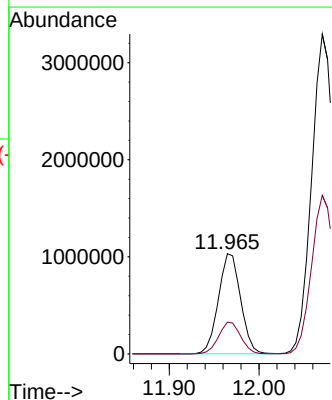
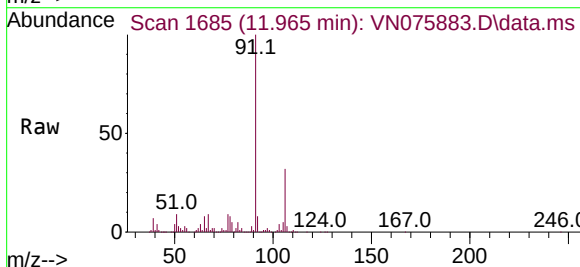
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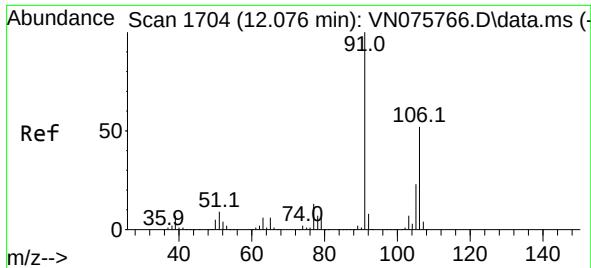
Tgt Ion:117 Resp: 509571
Ion Ratio Lower Upper
117 100
82 43.9 41.3 61.9
119 33.3 24.6 37.0



#67
Ethyl Benzene
Concen: 100.947 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion: 91 Resp: 1781908
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

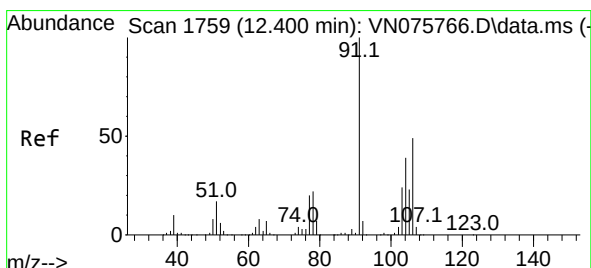
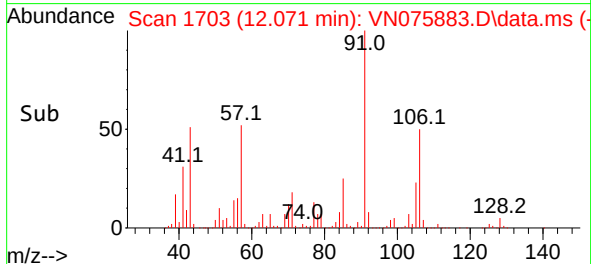
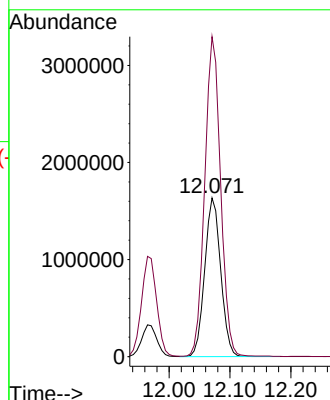
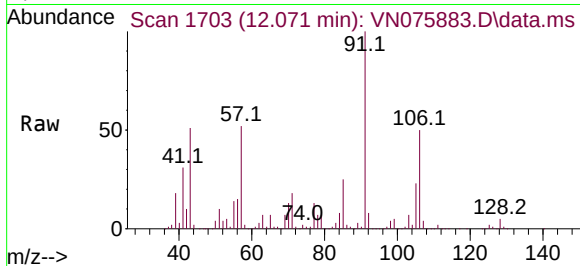




#68
m/p-Xylenes
Concen: 425.501 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

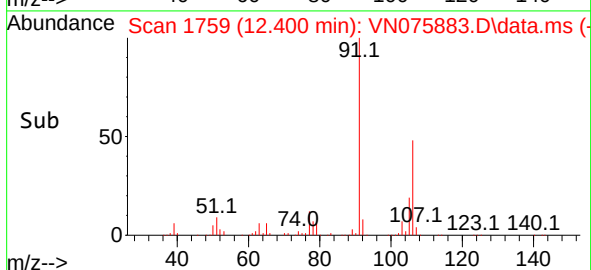
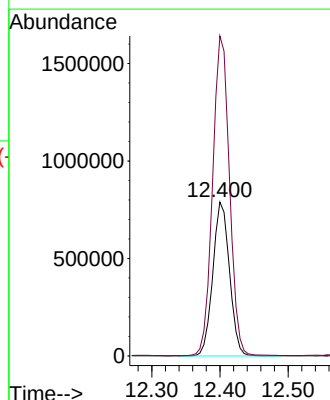
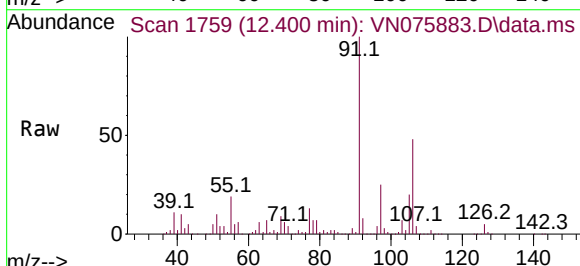
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

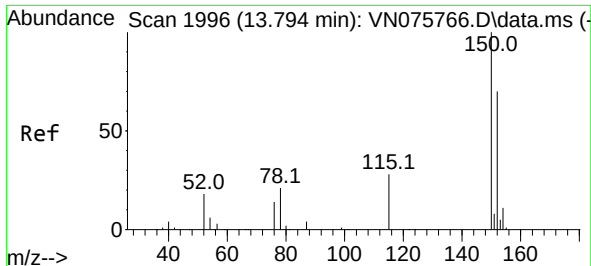
Tgt Ion:106 Resp: 2972799
Ion Ratio Lower Upper
106 100
91 200.4 156.6 235.0



#69
o-Xylene
Concen: 192.911 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion:106 Resp: 1333782
Ion Ratio Lower Upper
106 100
91 211.3 103.8 311.6

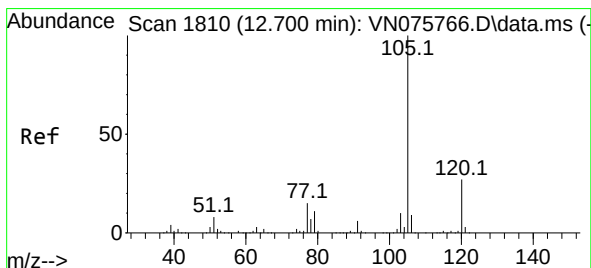
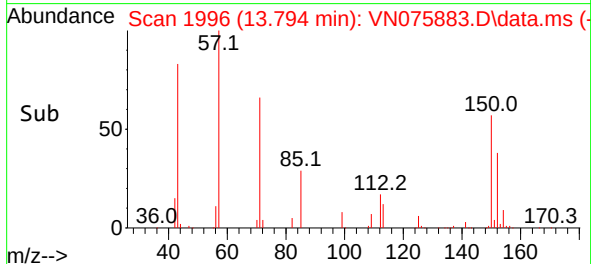
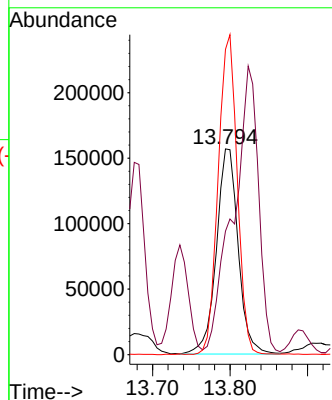
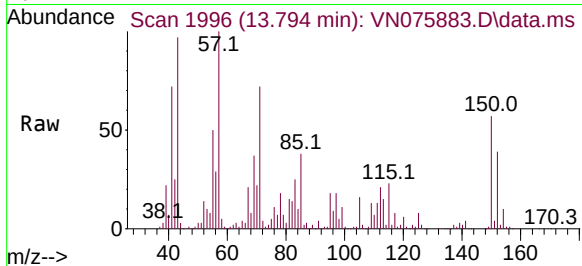




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075883.D
 Acq: 19 Dec 2022 19:58

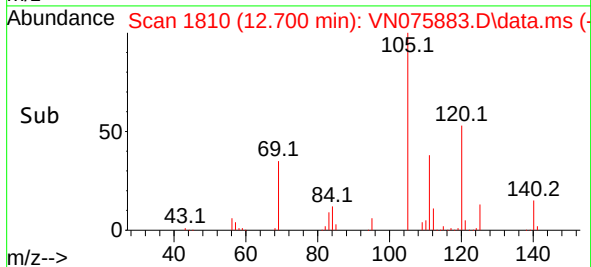
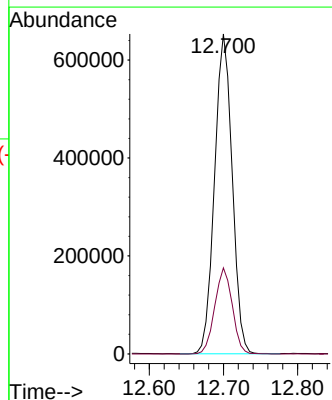
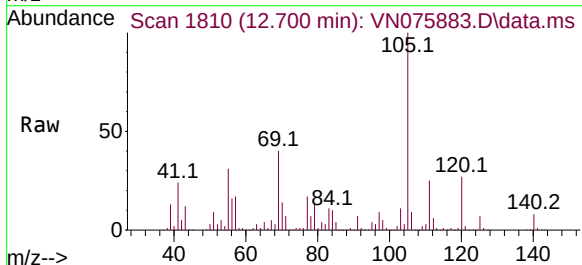
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

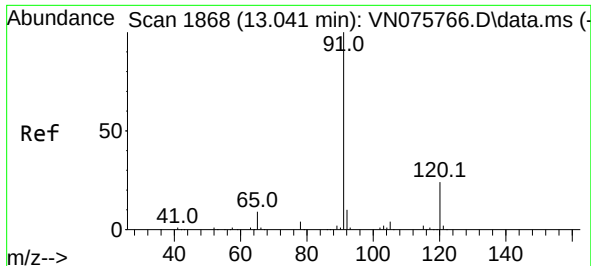
Tgt Ion:152 Resp: 306488
 Ion Ratio Lower Upper
 152 100
 115 0.0 29.1 87.4#
 150 136.1 0.0 347.0



#73
 Isopropylbenzene
 Concen: 48.793 ug/l
 RT: 12.700 min Scan# 1810
 Delta R.T. 0.000 min
 Lab File: VN075883.D
 Acq: 19 Dec 2022 19:58

Tgt Ion:105 Resp: 1080668
 Ion Ratio Lower Upper
 105 100
 120 26.6 13.4 40.2

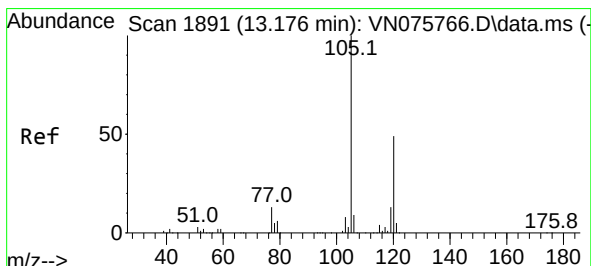
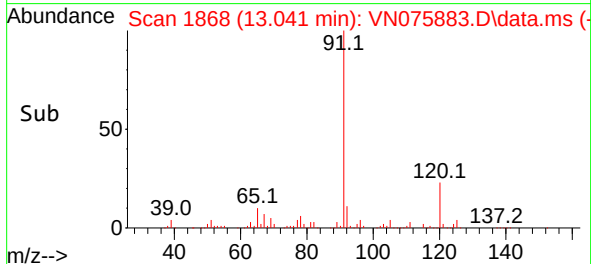
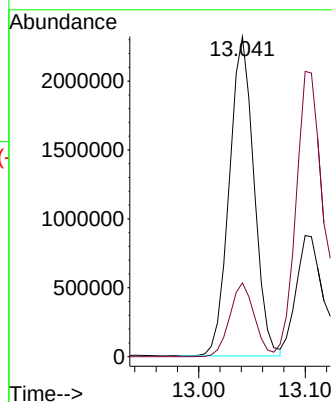
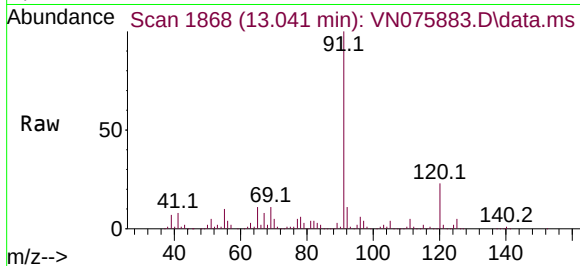




#78
n-propylbenzene
Concen: 152.344 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

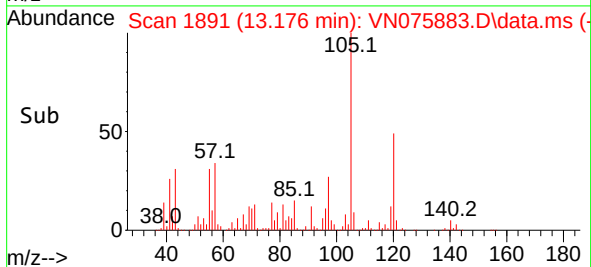
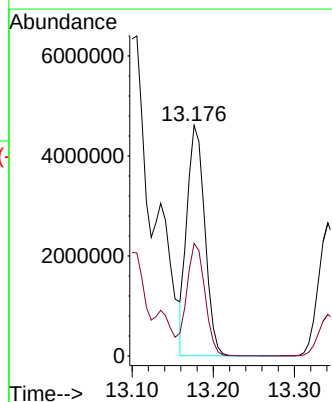
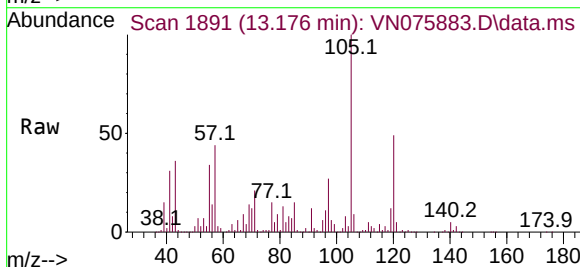
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

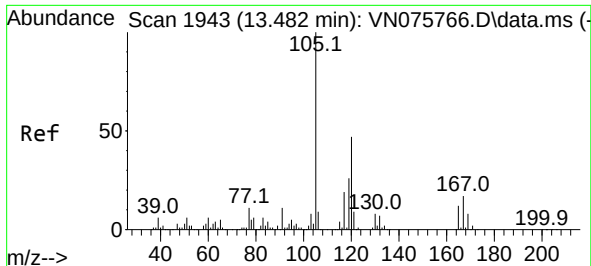
Tgt Ion: 91 Resp: 3721489
Ion Ratio Lower Upper
91 100
120 23.0 12.0 36.1



#80
1,3,5-Trimethylbenzene
Concen: 377.183 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion: 105 Resp: 6991781
Ion Ratio Lower Upper
105 100
120 50.8 24.7 74.1

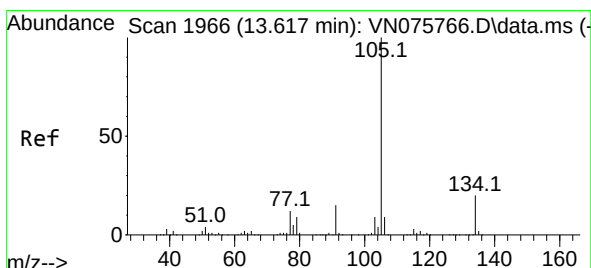
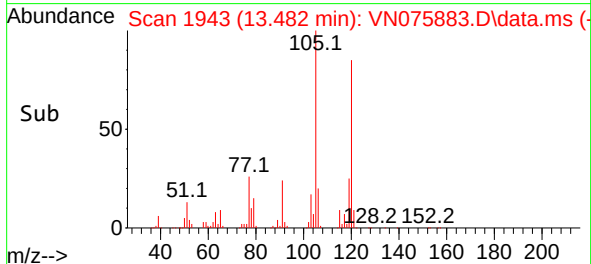
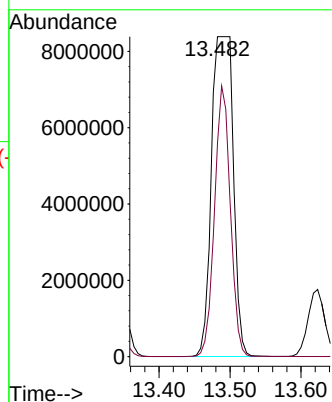
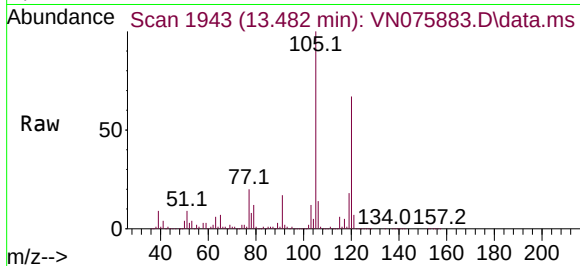




#84
1,2,4-Trimethylbenzene
Concen: 976.880 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

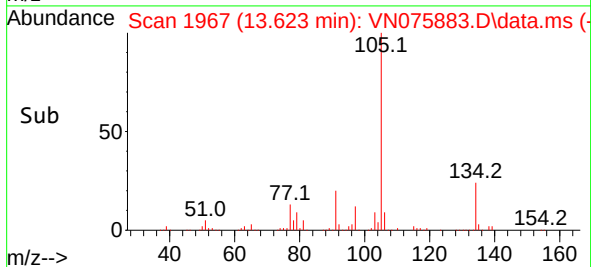
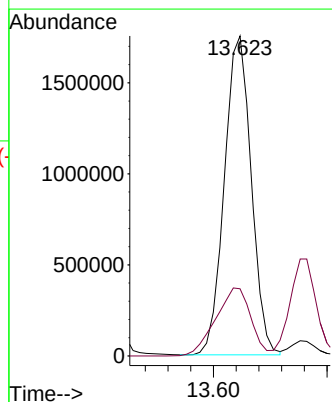
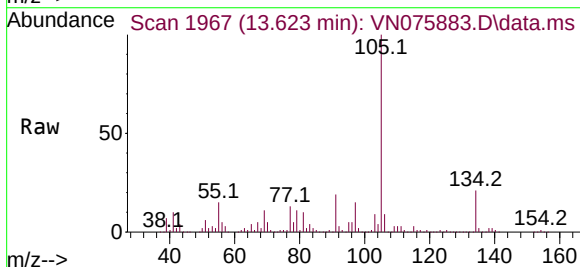
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

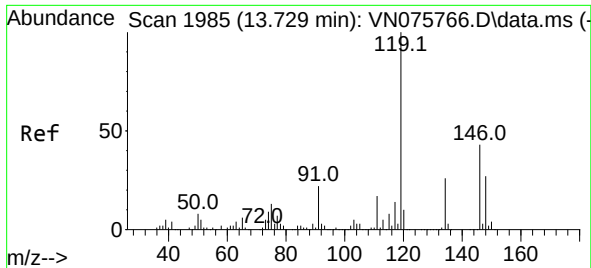
Tgt Ion:105 Resp:17964160
Ion Ratio Lower Upper
105 100
120 61.3 23.3 69.8



#85
sec-Butylbenzene
Concen: 127.377 ug/l
RT: 13.623 min Scan# 1967
Delta R.T. 0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

Tgt Ion:105 Resp: 2873370
Ion Ratio Lower Upper
105 100
134 27.7 10.1 30.1

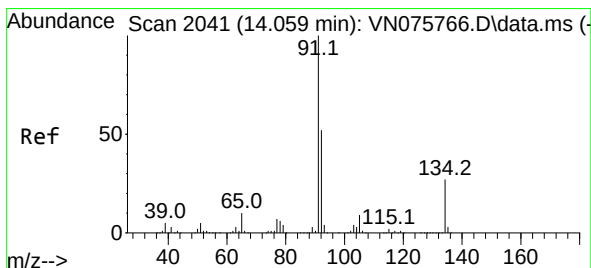
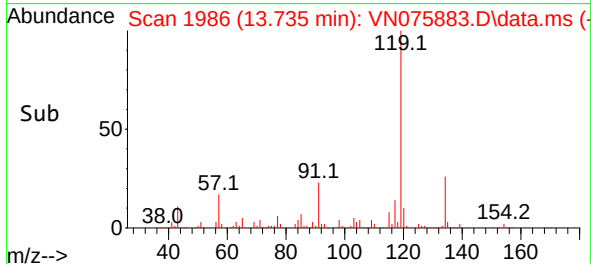
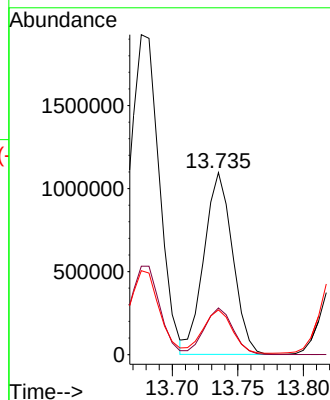
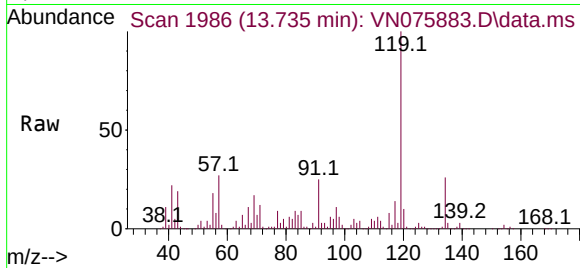




#86
p-Isopropyltoluene
Concen: 88.714 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

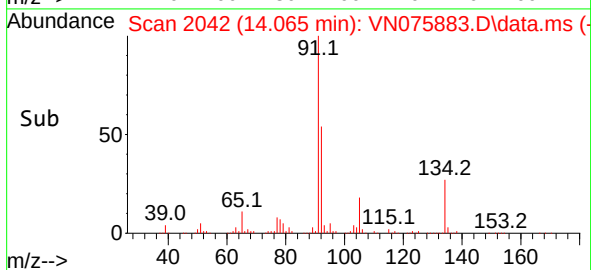
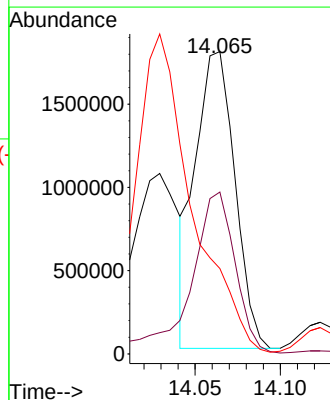
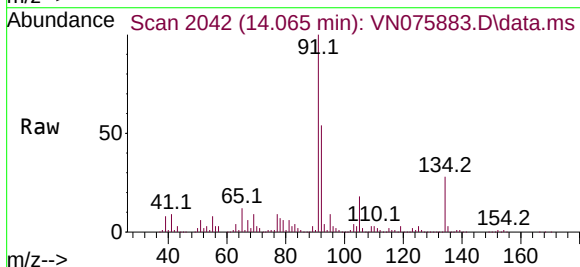
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

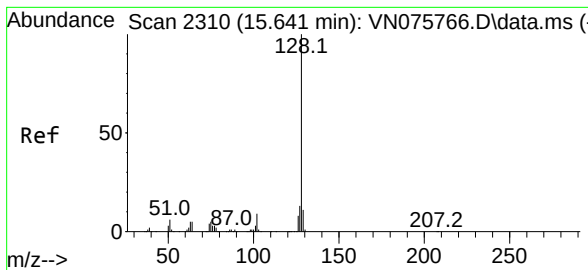
Tgt Ion:119 Resp: 1665178
Ion Ratio Lower Upper
119 100
134 25.3 13.0 39.0
91 24.3 11.2 33.6



#89
n-Butylbenzene
Concen: 188.588 ug/l
RT: 14.065 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN075883.D
Acq: 19 Dec 2022 19:58

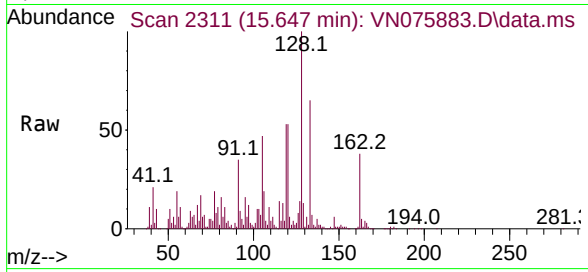
Tgt Ion: 91 Resp: 2867725
Ion Ratio Lower Upper
91 100
92 59.5 26.4 79.2
134 0.0 13.4 40.2#





#95
 Naphthalene
 Concen: 59.693 ug/l
 RT: 15.647 min Scan# 2311
 Delta R.T. 0.006 min
 Lab File: VN075883.D
 Acq: 19 Dec 2022 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1



Tgt Ion:128 Resp: 1003054

Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.4	15.6#
129	6.8	8.7	13.1#

