

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075533.D
 Acq On : 02 Dec 2022 15:41
 Operator : JC\MD
 Sample : N5834-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAY1-SILICA-1201

Quant Time: Dec 03 00:33:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

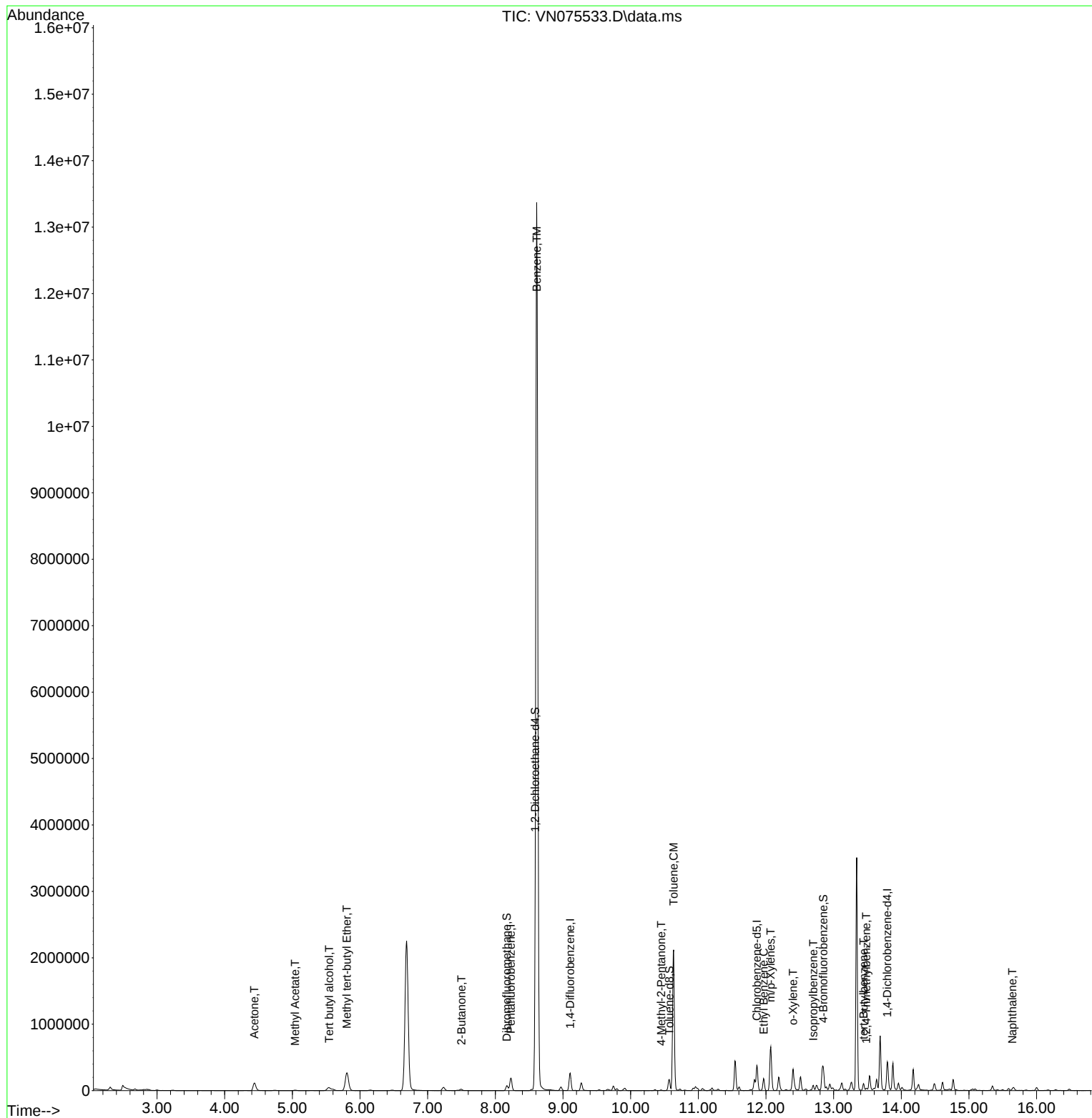
Internal Standards						
1) Pentafluorobenzene	8.229	168	152694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	46126	56.276	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.560%	
35) Dibromofluoromethane	8.171	113	53938	54.978	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.960%	
50) Toluene-d8	10.571	98	113333	51.289	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.580%	
62) 4-Bromofluorobenzene	12.847	95	89948	55.150	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.300%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.541	59	87658	254.763	ug/l	100
16) Acetone	4.436	43	215901	282.399	ug/l	96
18) Methyl Acetate	5.041	43	15152	6.741	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	484026	96.628	ug/l	98
25) 2-Butanone	7.500	43	33948	31.805	ug/l	97
40) Benzene	8.612	78	13593703	2075.196	ug/l	99
51) 4-Methyl-2-Pentanone	10.453	43	6482	3.291	ug/l	98
52) Toluene	10.635	92	1001921	237.352	ug/l	99
67) Ethyl Benzene	11.965	91	134336	16.332	ug/l	97
68) m/p-Xylenes	12.070	106	225986	67.655	ug/l	100
69) o-Xylene	12.400	106	91178	27.473	ug/l	99
73) Isopropylbenzene	12.700	105	55012	6.573	ug/l	99
83) tert-Butylbenzene	13.441	119	20901	3.297	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	17056	2.446	ug/l	100
95) Naphthalene	15.641	128	9396	1.527	ug/l #	69

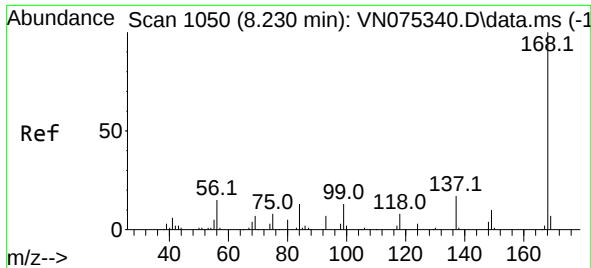
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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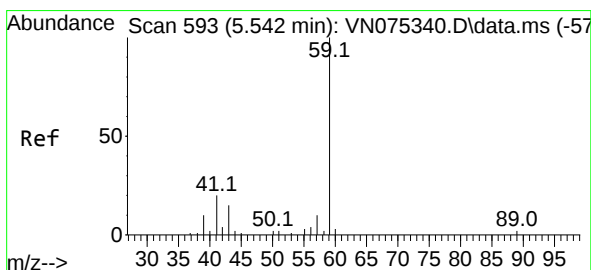
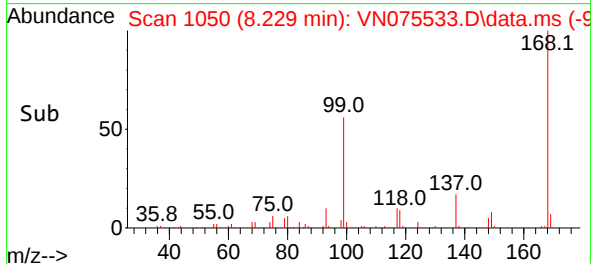
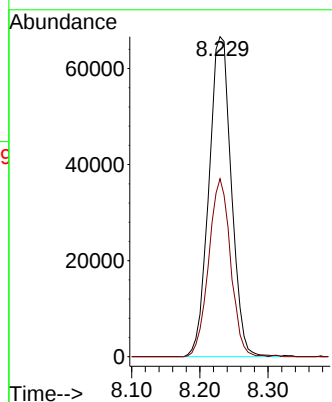
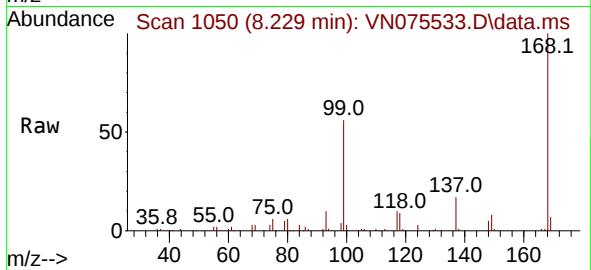




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

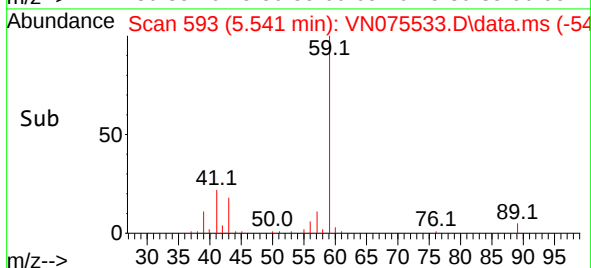
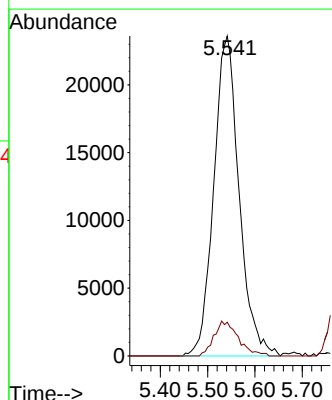
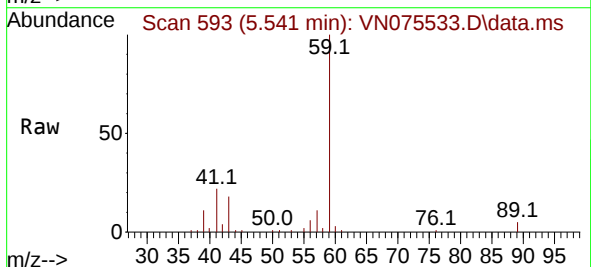
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

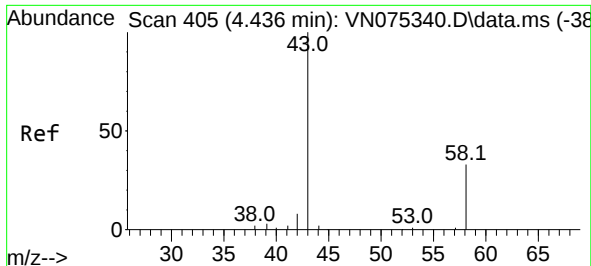
Tgt Ion:168 Resp: 152694
Ion Ratio Lower Upper
168 100
99 55.6 51.6 77.4



#11
Tert butyl alcohol
Concen: 254.763 ug/l
RT: 5.541 min Scan# 593
Delta R.T. -0.001 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 59 Resp: 87658
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

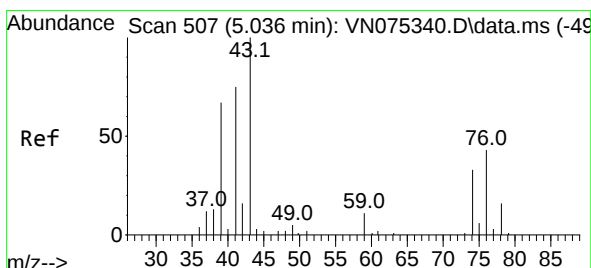
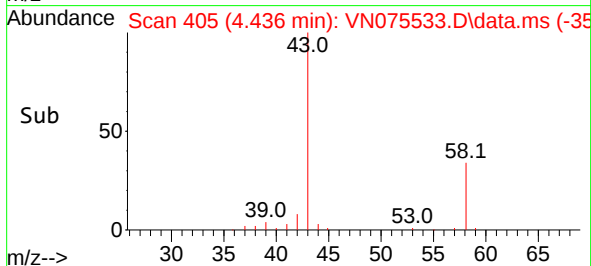
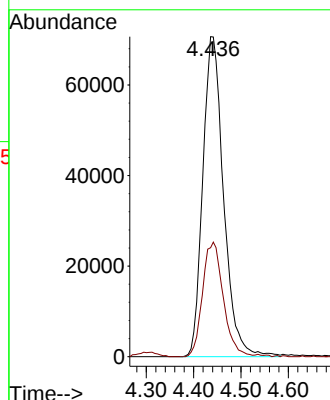
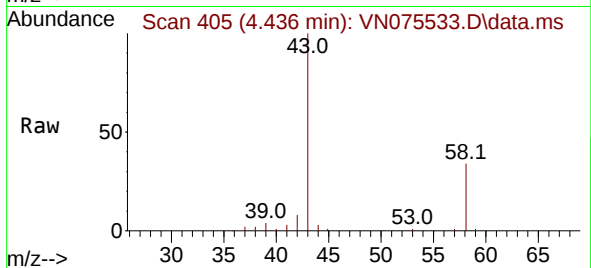




#16
Acetone
Concen: 282.399 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

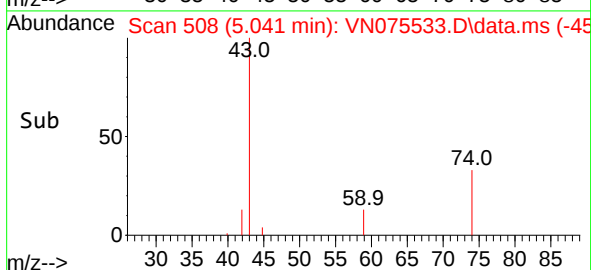
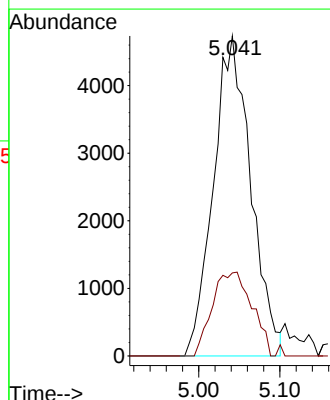
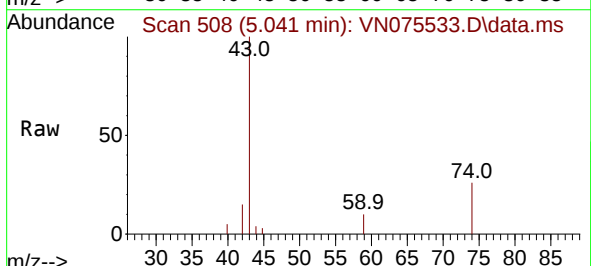
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

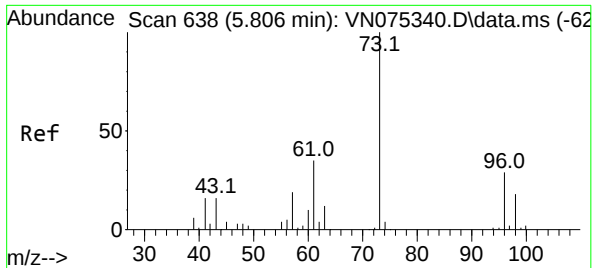
Tgt Ion: 43 Resp: 215901
Ion Ratio Lower Upper
43 100
58 34.1 25.5 38.3



#18
Methyl Acetate
Concen: 6.741 ug/l
RT: 5.041 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 43 Resp: 15152
Ion Ratio Lower Upper
43 100
74 27.8 22.0 33.0

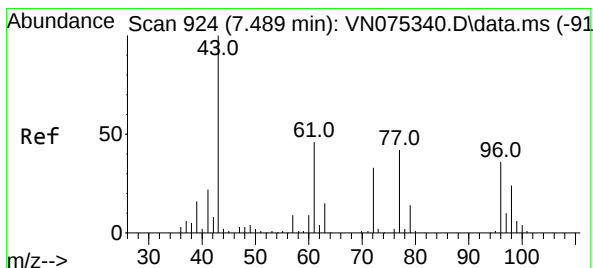
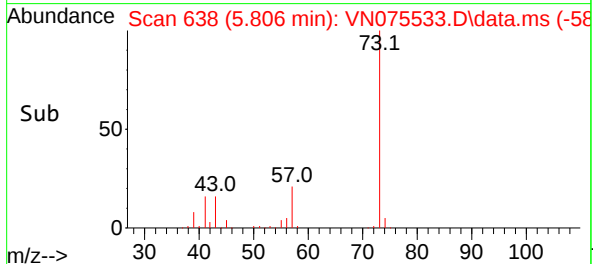
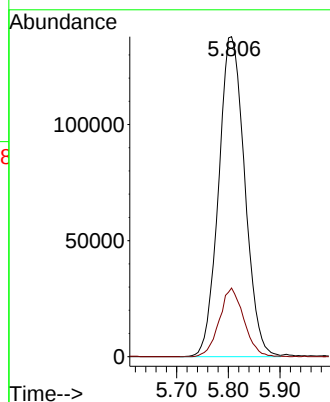
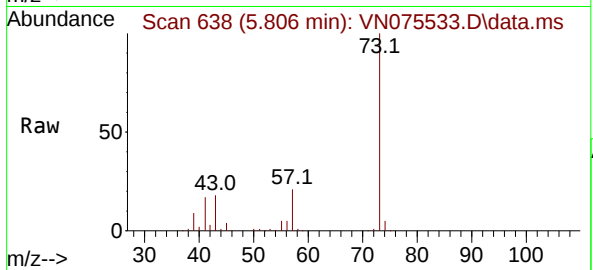




#19
Methyl tert-butyl Ether
Concen: 96.628 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

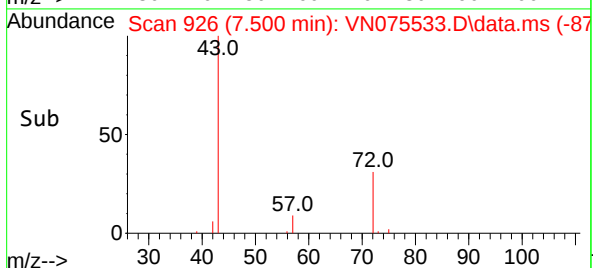
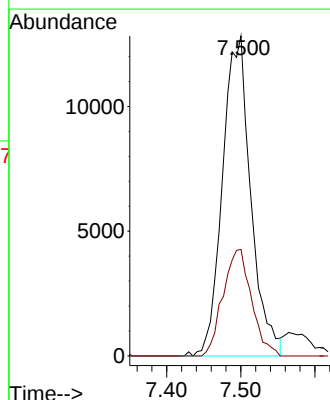
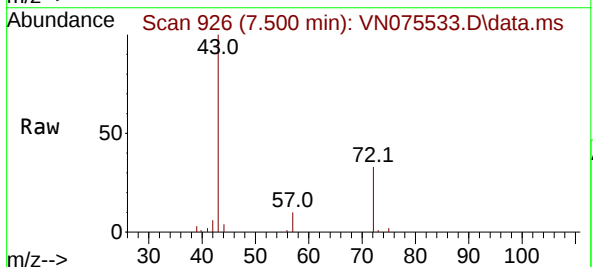
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

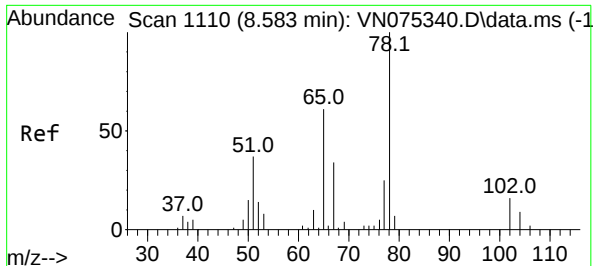
Tgt Ion: 73 Resp: 484026
Ion Ratio Lower Upper
73 100
57 21.4 16.3 24.5



#25
2-Butanone
Concen: 31.805 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 43 Resp: 33948
Ion Ratio Lower Upper
43 100
72 33.3 25.5 38.3





#33

1,2-Dichloroethane-d4

Concen: 56.276 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VN075533.D

Acq: 02 Dec 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

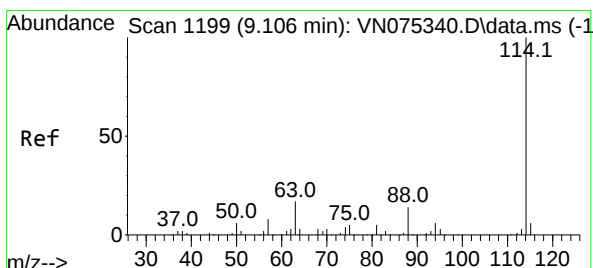
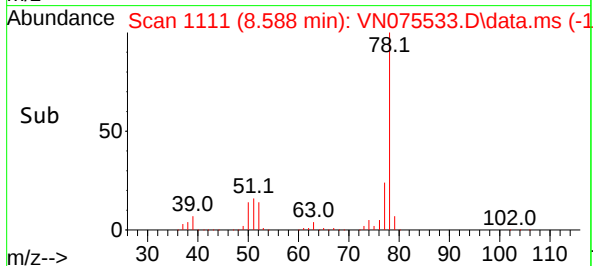
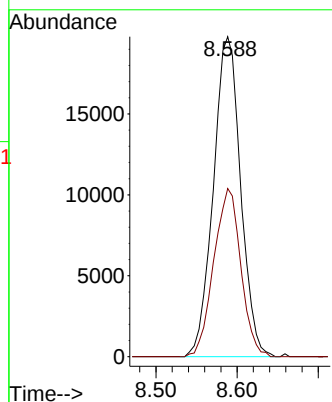
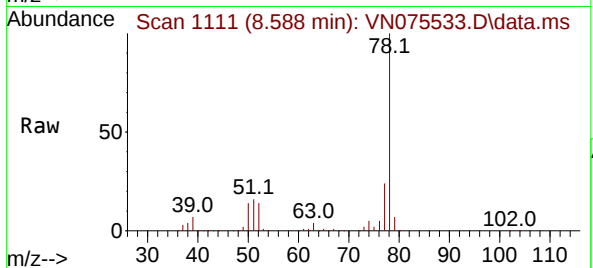
SAY1-SILICA-1201

Tgt Ion: 65 Resp: 46126

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075533.D

Acq: 02 Dec 2022 15:41

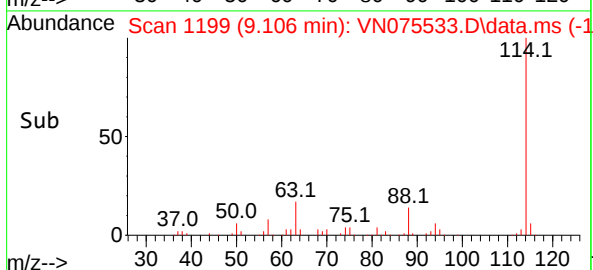
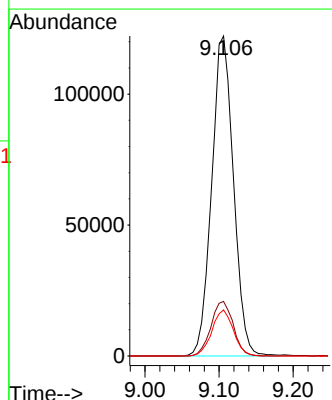
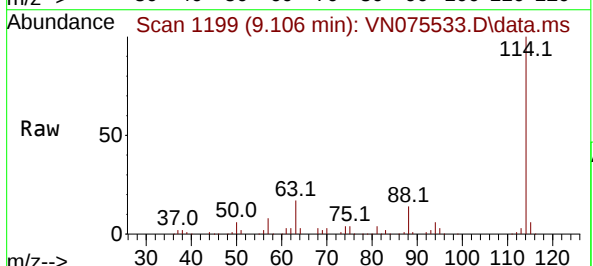
Tgt Ion:114 Resp: 249746

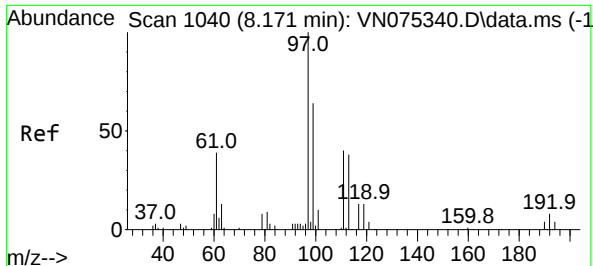
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 14.4 0.0 29.0

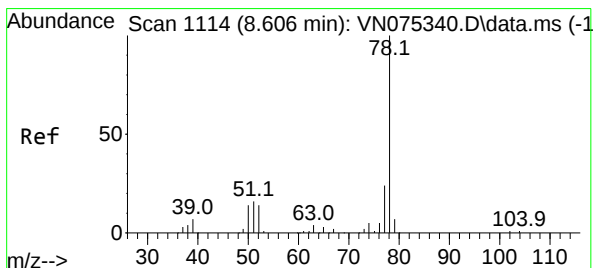
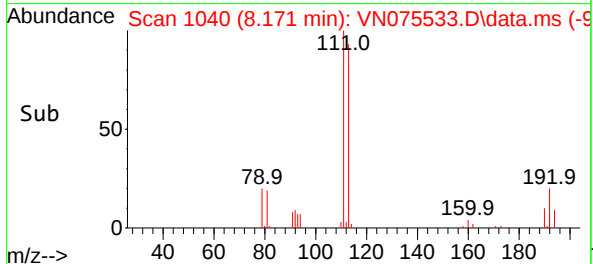
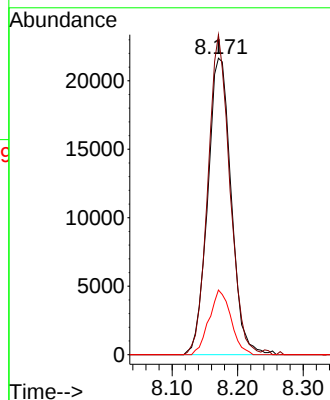
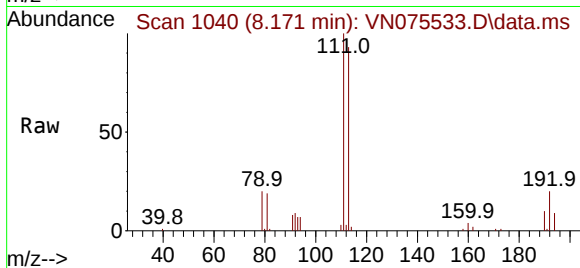




#35
Dibromofluoromethane
Concen: 54.978 ug/l
RT: 8.171 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

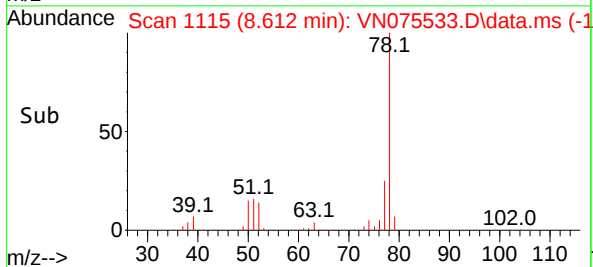
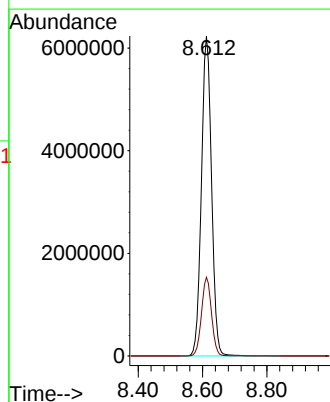
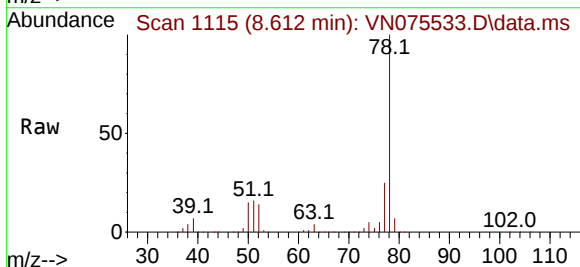
Instrument :
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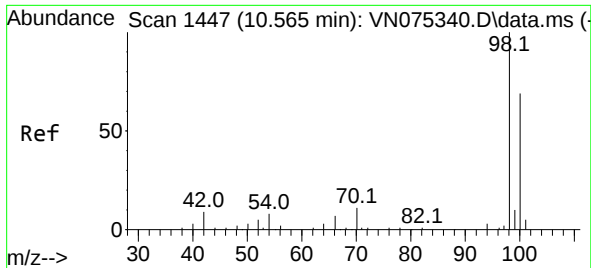
Tgt Ion:113 Resp: 53938
Ion Ratio Lower Upper
113 100
111 100.7 80.5 120.7
192 20.2 13.2 19.8#



#40
Benzene
Concen: 2075.196 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 78 Resp:13593703
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0

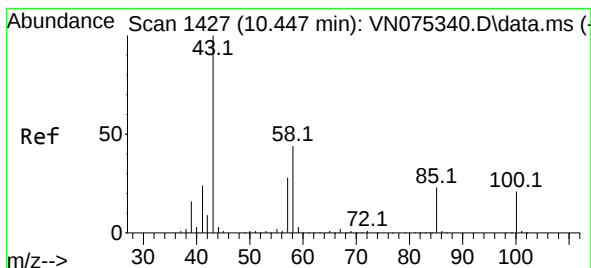
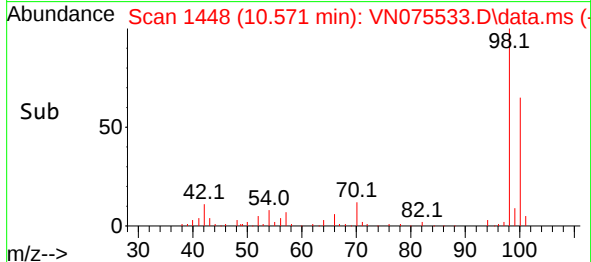
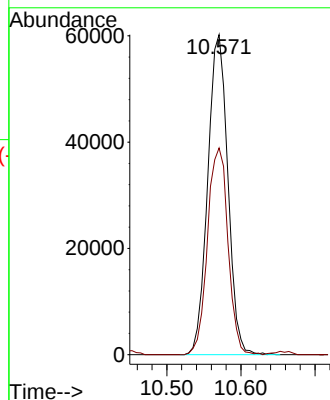
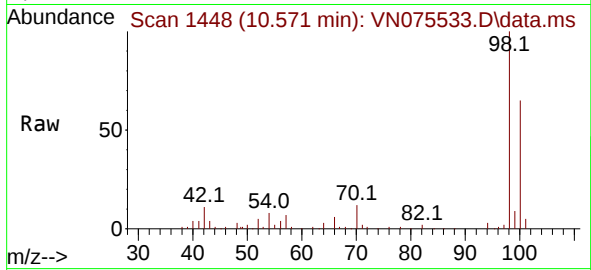




#50
Toluene-d8
Concen: 51.289 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

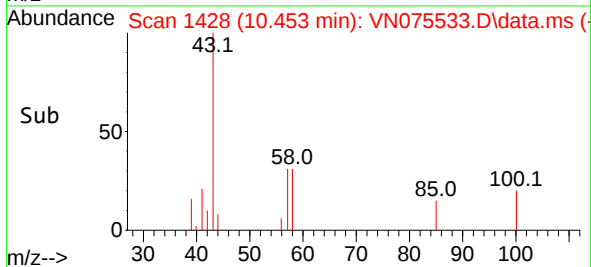
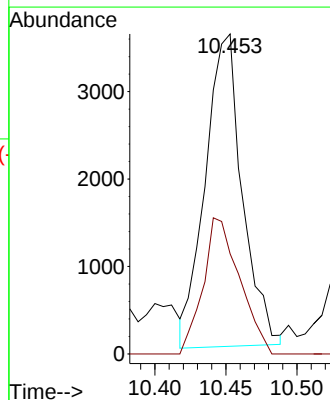
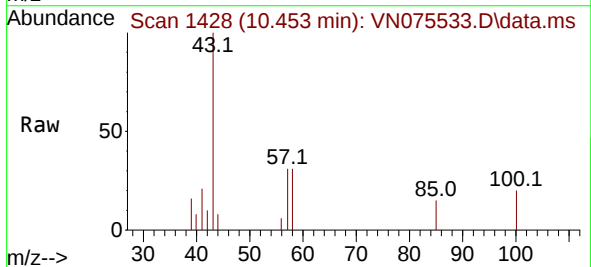
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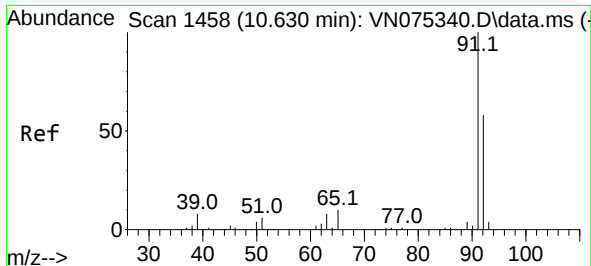
Tgt Ion: 98 Resp: 113333
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.291 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 43 Resp: 6482
Ion Ratio Lower Upper
43 100
58 43.0 33.6 50.4

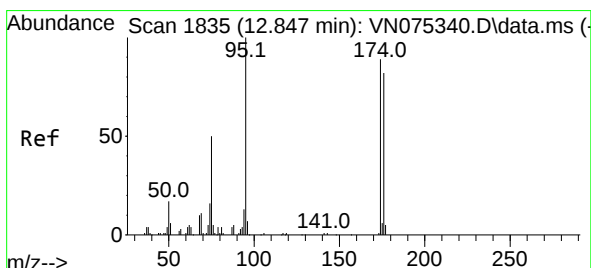
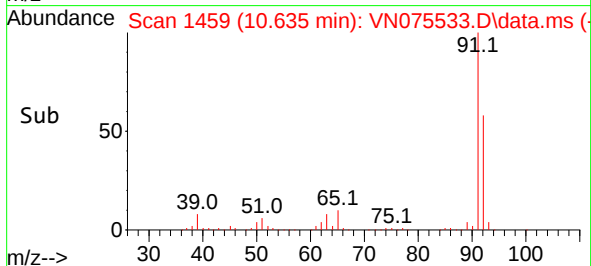
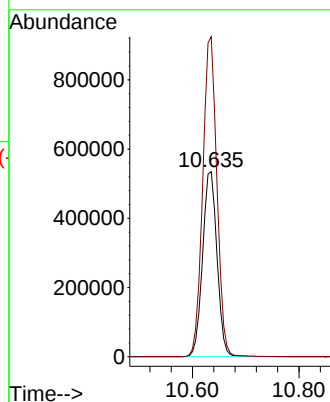
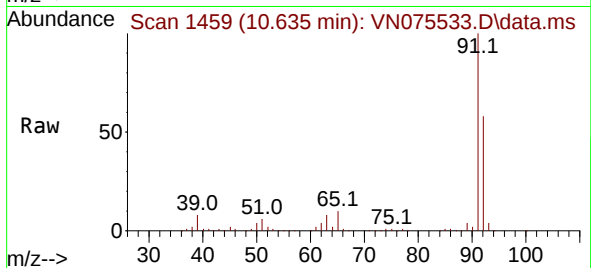




#52
Toluene
Concen: 237.352 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

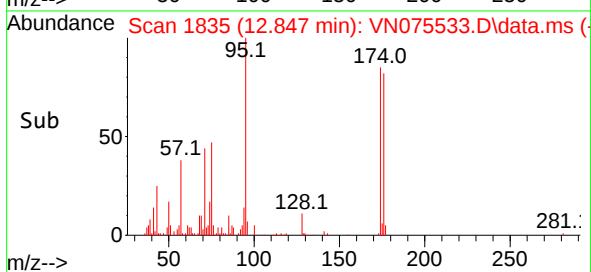
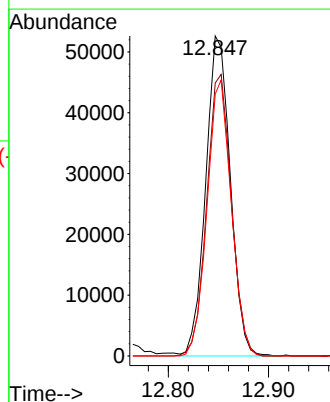
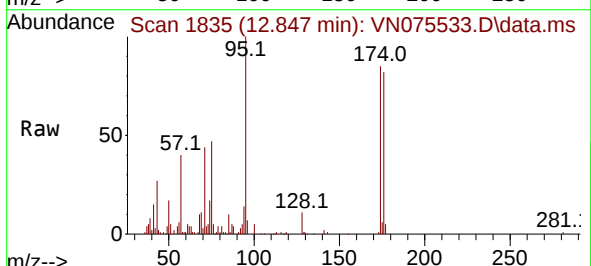
Instrument :
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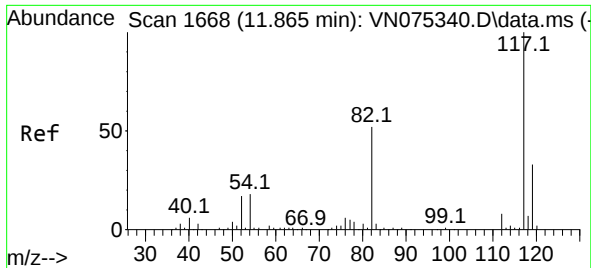
Tgt Ion: 92 Resp: 1001921
Ion Ratio Lower Upper
92 100
91 170.4 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 55.150 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 95 Resp: 89948
Ion Ratio Lower Upper
95 100
174 88.0 0.0 147.4
176 84.7 0.0 142.2

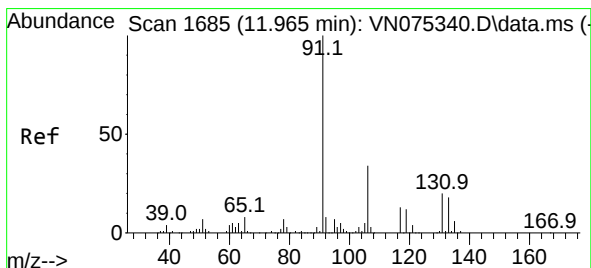
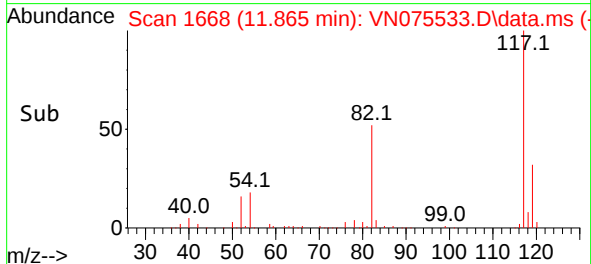
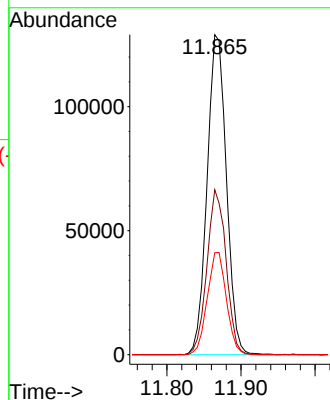
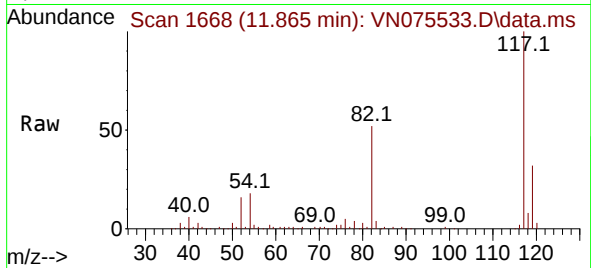




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

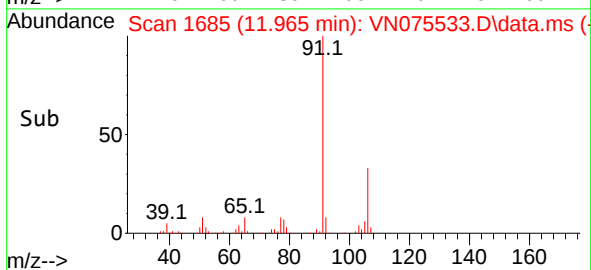
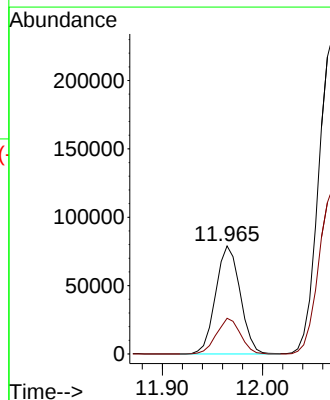
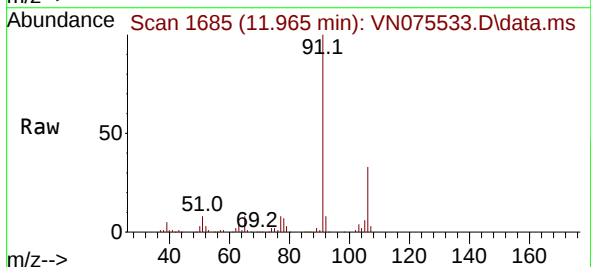
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

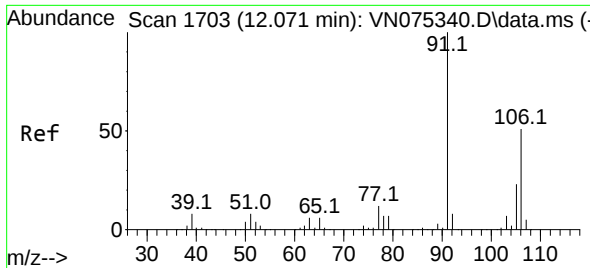
Tgt Ion:117 Resp: 233461
Ion Ratio Lower Upper
117 100
82 51.6 43.1 64.7
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 16.332 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion: 91 Resp: 134336
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3

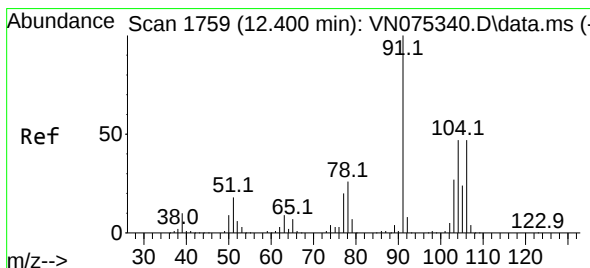
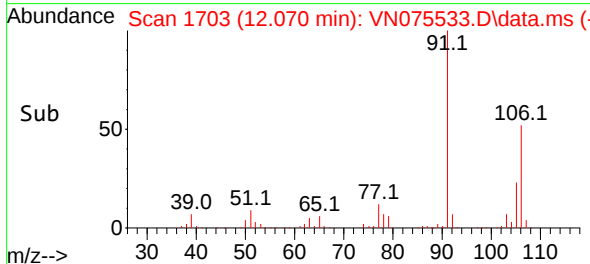
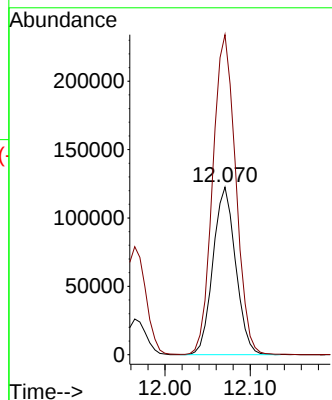
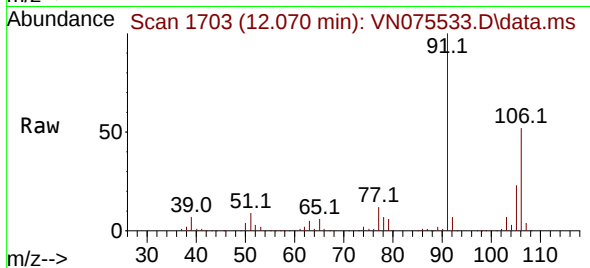




#68
m/p-Xylenes
Concen: 67.655 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

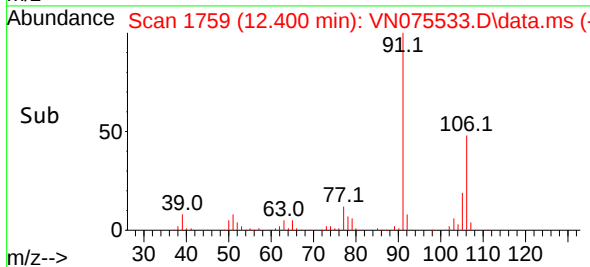
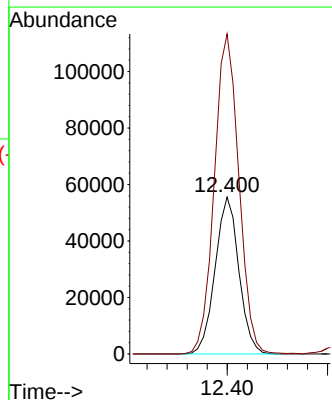
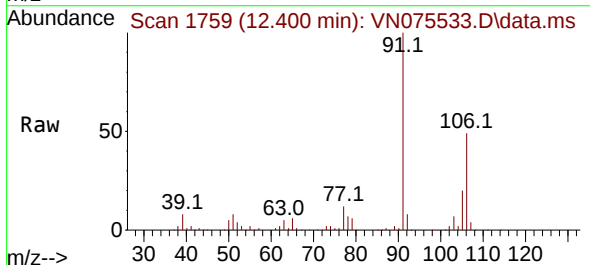
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

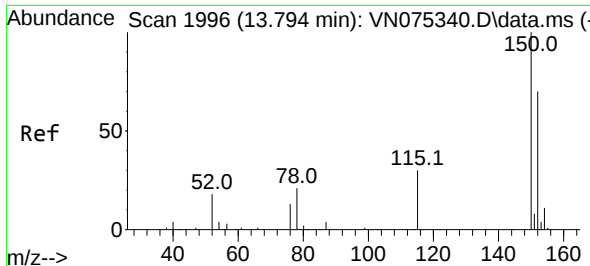
Tgt Ion:106 Resp: 225986
Ion Ratio Lower Upper
106 100
91 194.6 156.0 234.0



#69
o-Xylene
Concen: 27.473 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion:106 Resp: 91178
Ion Ratio Lower Upper
106 100
91 211.2 105.2 315.5

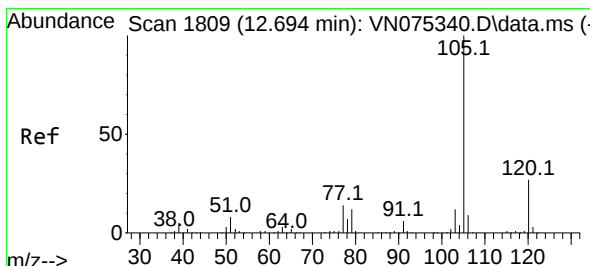
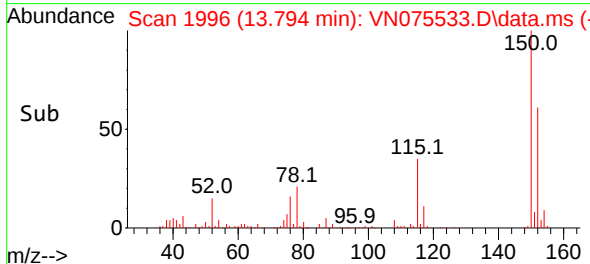
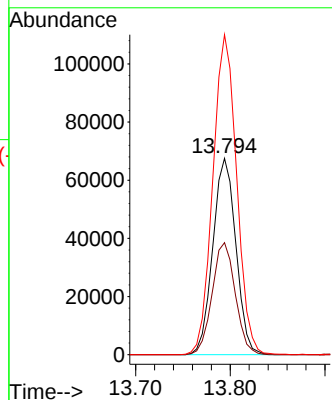
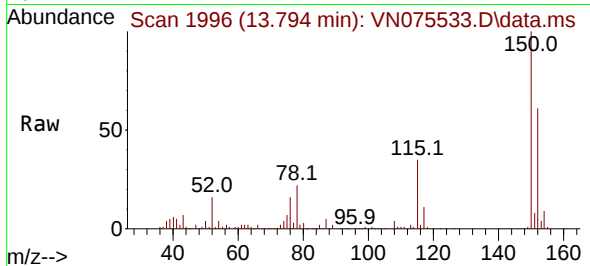




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

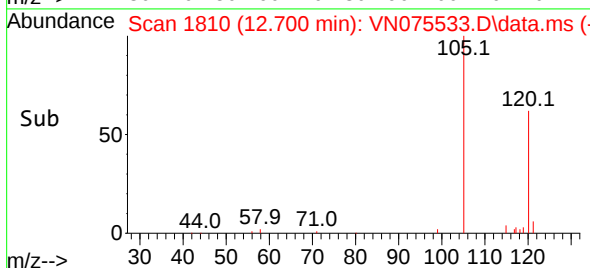
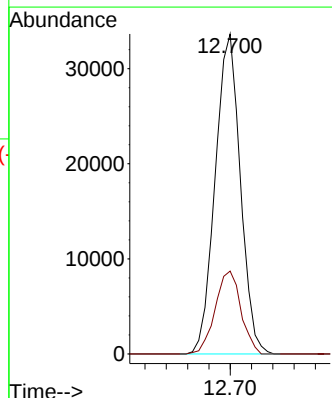
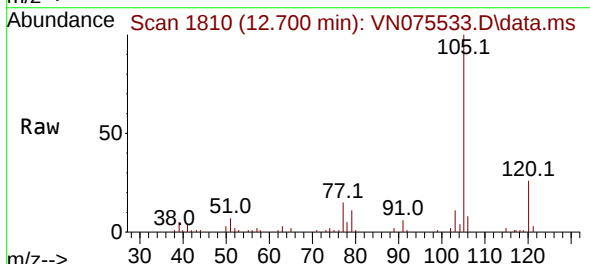
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

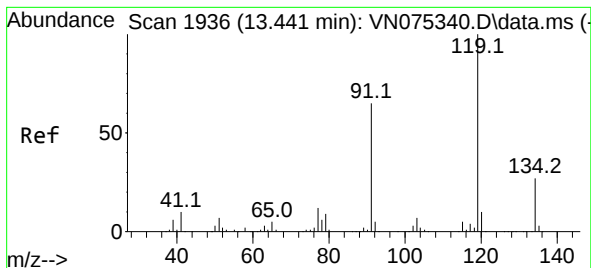
Tgt Ion:152 Resp: 114547
Ion Ratio Lower Upper
152 100
115 57.2 30.2 90.6
150 167.9 0.0 348.4



#73
Isopropylbenzene
Concen: 6.573 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion:105 Resp: 55012
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.1

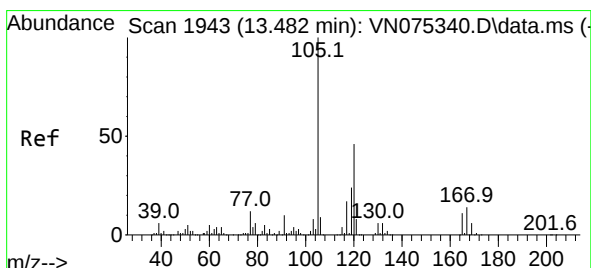
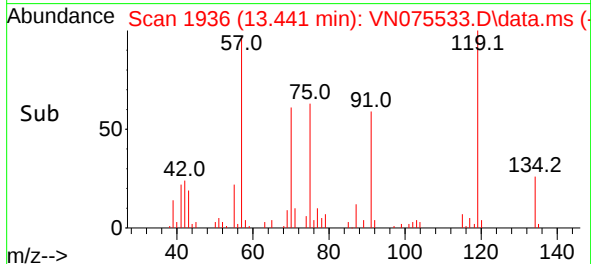
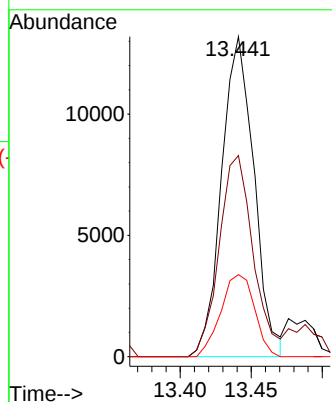
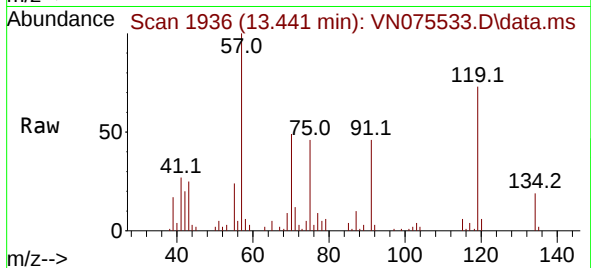




#83
tert-Butylbenzene
Concen: 3.297 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. -0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

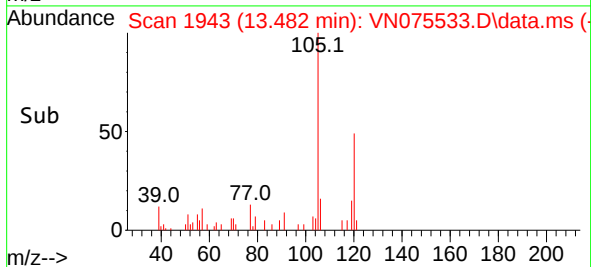
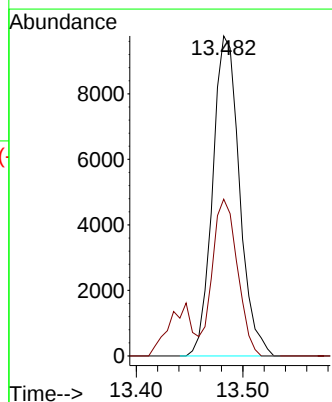
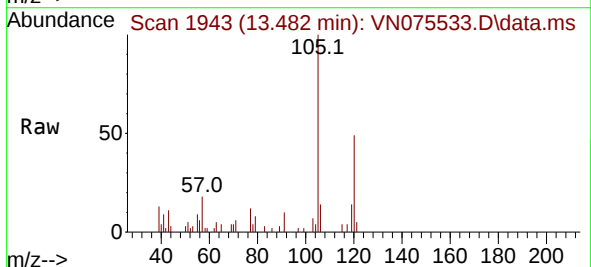
Instrument :
MSVOA_N
ClientSampleId :
SAY1-SILICA-1201

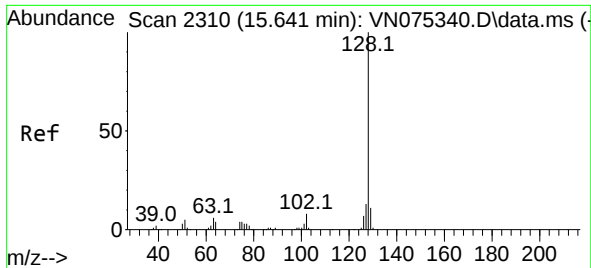
Tgt Ion:119 Resp: 20901
Ion Ratio Lower Upper
119 100
91 66.2 32.8 98.4
134 26.7 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 2.446 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075533.D
Acq: 02 Dec 2022 15:41

Tgt Ion:105 Resp: 17056
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.1





#95

Naphthalene

Concen: 1.527 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075533.D

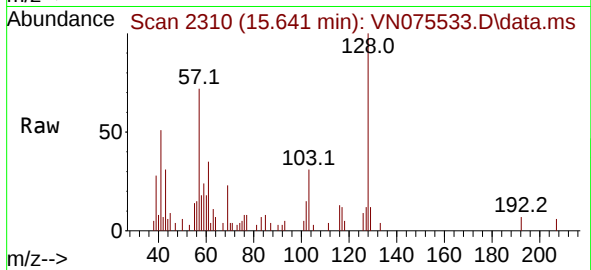
Acq: 02 Dec 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

SAY1-SILICA-1201



Tgt Ion:	128	Resp:	9396
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	12.8#

