

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
 Data File : VN075584.D
 Acq On : 06 Dec 2022 15:03
 Operator : JC\MD
 Sample : N5876-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LIN-SIL-12-02

Quant Time: Dec 07 00:14:15 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)

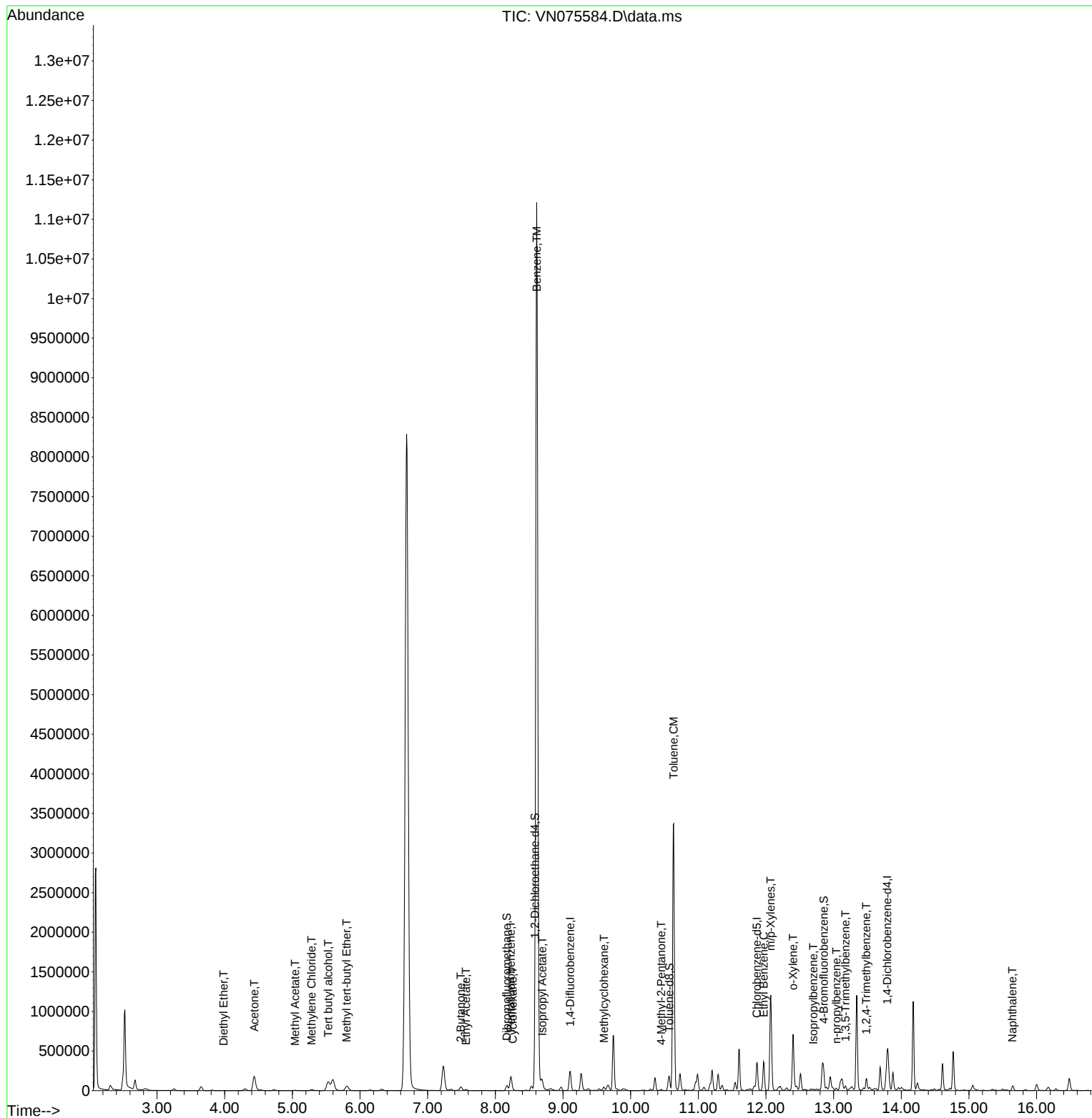
Internal Standards						
1) Pentafluorobenzene	8.230	168	134836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	230544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	41135	56.834	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.660%			
35) Dibromofluoromethane	8.171	113	45957	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	10.571	98	99445	48.753	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.853	95	80089	53.195	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.380%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.983	74	1167	1.442	ug/l	71
11) Tert butyl alcohol	5.530	59	234484	771.746	ug/l	98
16) Acetone	4.436	43	335035	496.267	ug/l	97
18) Methyl Acetate	5.042	43	10537	5.026	ug/l	97
19) Methyl tert-butyl Ether	5.800	73	94092	21.272	ug/l	98
20) Methylene Chloride	5.283	84	9874	6.089	ug/l	89
25) 2-Butanone	7.488	43	70486	74.783	ug/l	97
31) Cyclohexane	8.259	56	9066	3.943	ug/l	98
37) Ethyl Acetate	7.565	43	20456	11.503	ug/l	98
39) Methylcyclohexane	9.606	83	19257	7.791	ug/l	91
40) Benzene	8.612	78	11287708	1866.689	ug/l	100
43) Isopropyl Acetate	8.694	43	87868	30.782	ug/l #	82
51) 4-Methyl-2-Pentanone	10.453	43	11150	6.133	ug/l	99
52) Toluene	10.635	92	1568571	402.539	ug/l	99
67) Ethyl Benzene	11.965	91	260887	33.965	ug/l	97
68) m/p-Xylenes	12.070	106	404487	129.679	ug/l	99
69) o-Xylene	12.400	106	207553	66.972	ug/l	96
73) Isopropylbenzene	12.700	105	13119	1.560	ug/l	99
78) n-propylbenzene	13.041	91	19388	2.066	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	25531	3.655	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	87007	12.417	ug/l	99
95) Naphthalene	15.641	128	17250	2.791	ug/l	99

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

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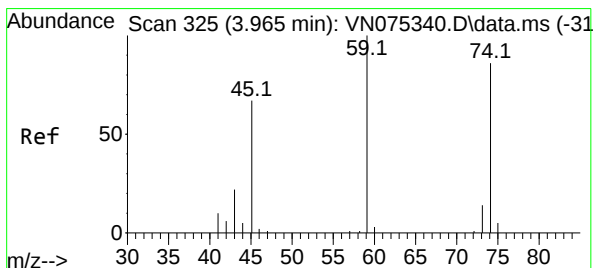
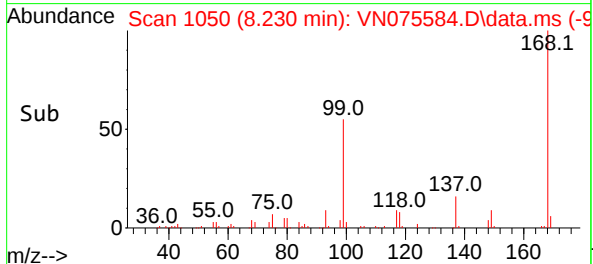
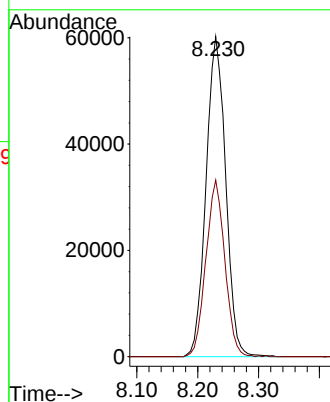
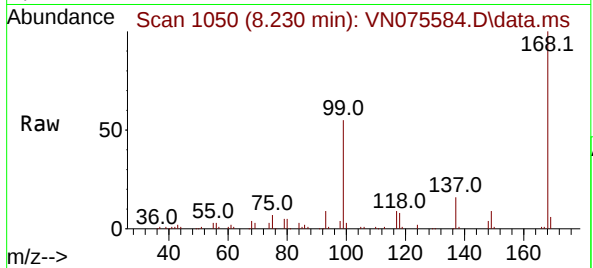




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

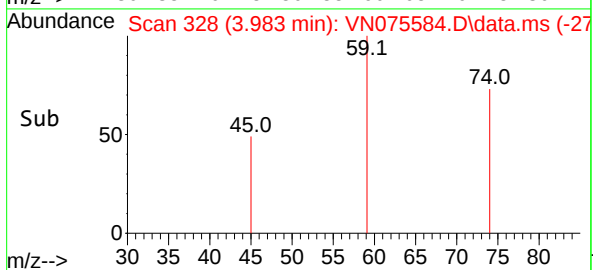
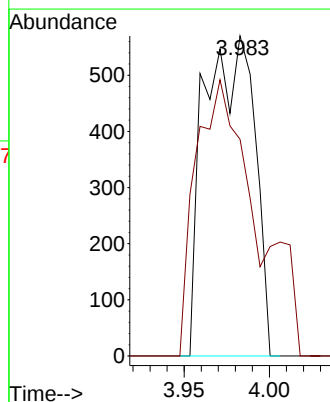
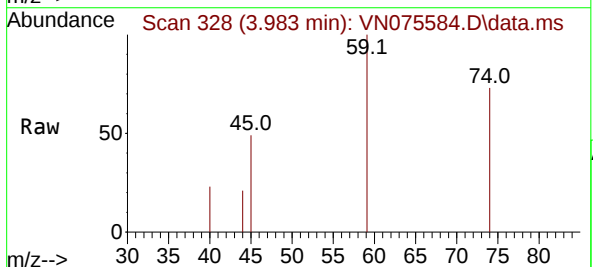
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

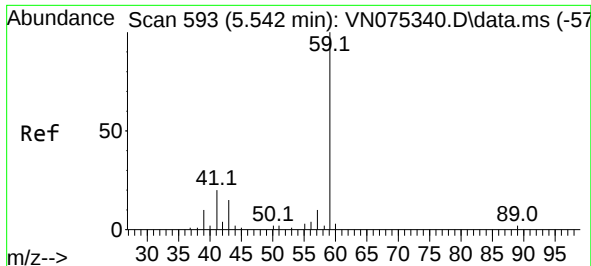
Tgt Ion:168 Resp: 134836
Ion Ratio Lower Upper
168 100
99 55.2 51.6 77.4



#8
Diethyl Ether
Concen: 1.442 ug/l
RT: 3.983 min Scan# 328
Delta R.T. 0.018 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 74 Resp: 1167
Ion Ratio Lower Upper
74 100
45 103.6 39.3 117.9

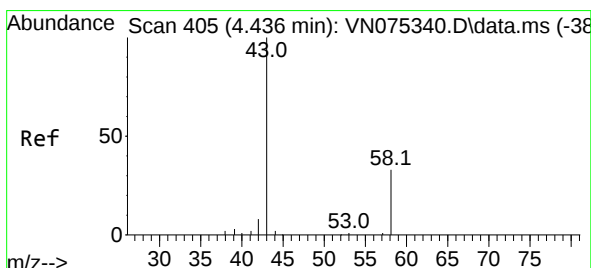
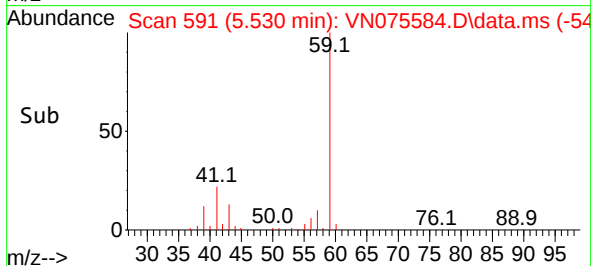
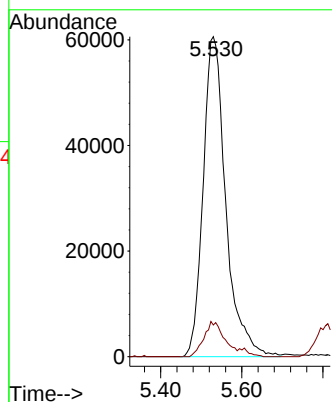
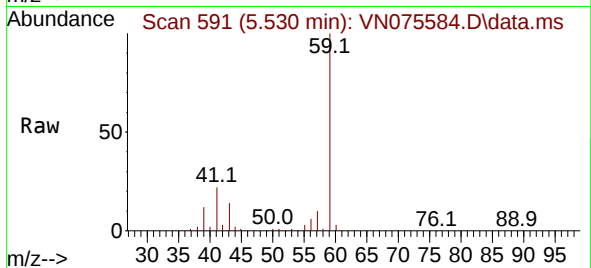




#11
Tert butyl alcohol
Concen: 771.746 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

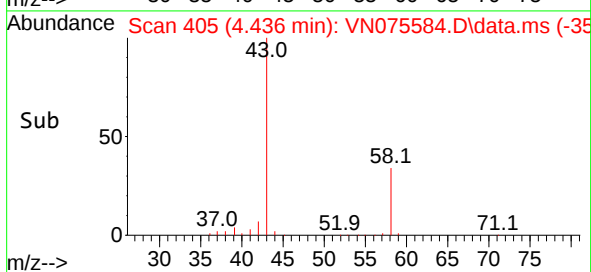
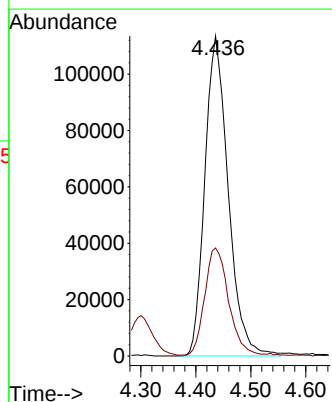
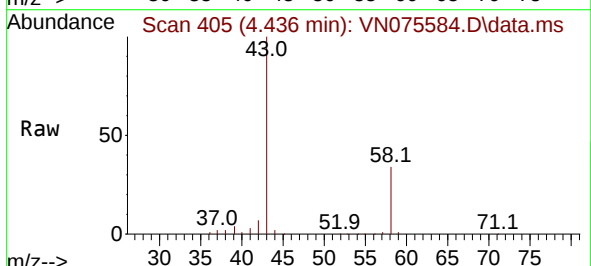
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

Tgt Ion: 59 Resp: 234484
Ion Ratio Lower Upper
59 100
57 9.9 8.5 12.7



#16
Acetone
Concen: 496.267 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 43 Resp: 335035
Ion Ratio Lower Upper
43 100
58 33.5 25.5 38.3

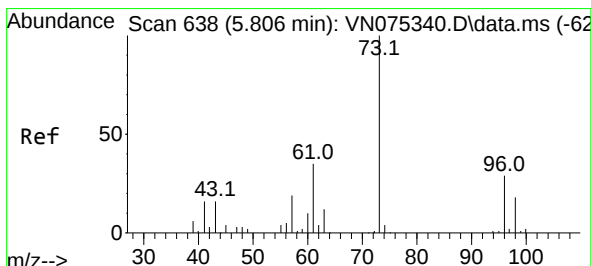
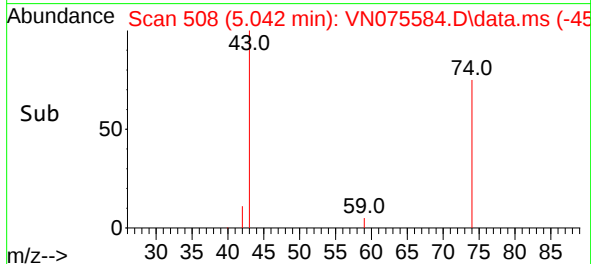
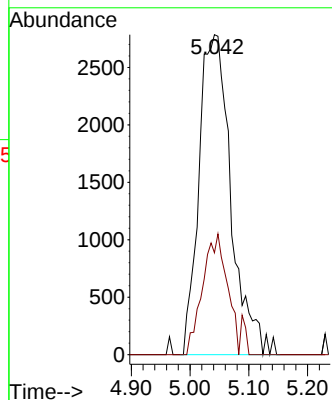
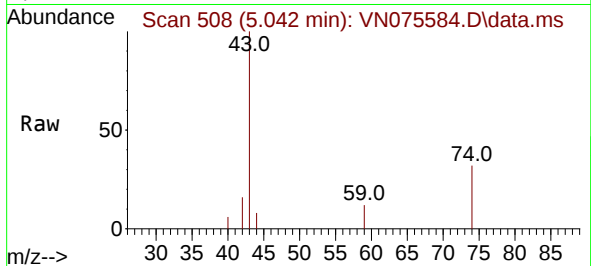




#18
Methyl Acetate
Concen: 5.026 ug/l
RT: 5.042 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

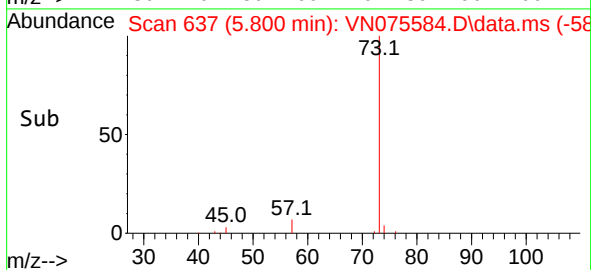
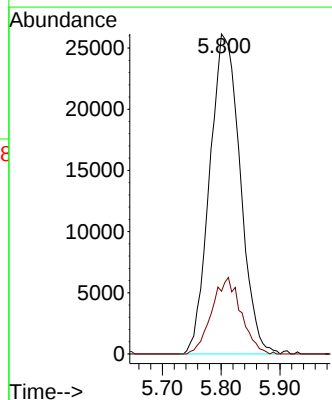
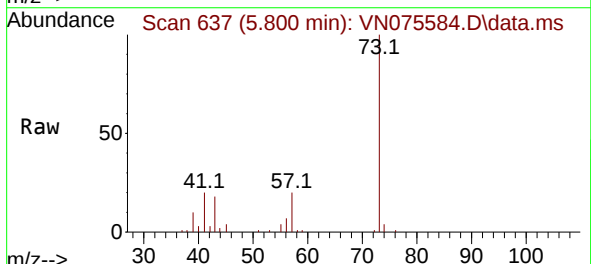
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

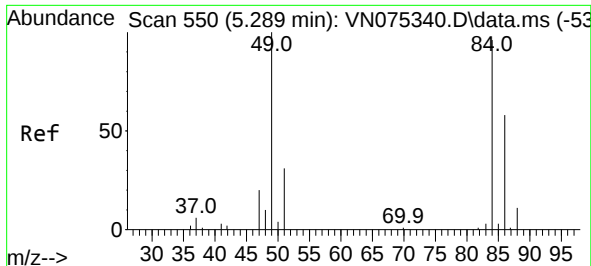
Tgt Ion: 43 Resp: 10537
Ion Ratio Lower Upper
43 100
74 28.9 22.0 33.0



#19
Methyl tert-butyl Ether
Concen: 21.272 ug/l
RT: 5.800 min Scan# 637
Delta R.T. -0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

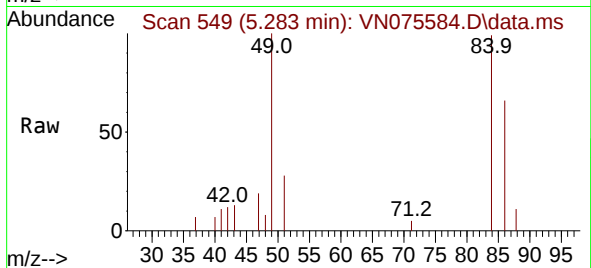
Tgt Ion: 73 Resp: 94092
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5



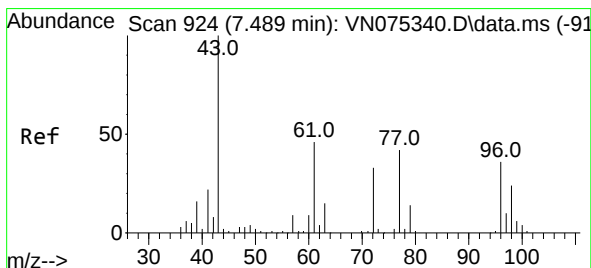
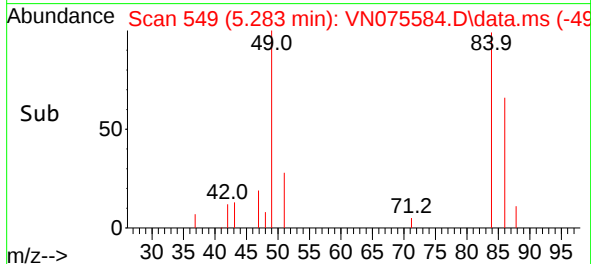
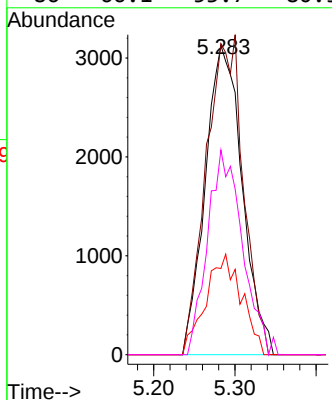


#20
Methylene Chloride
Concen: 6.089 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

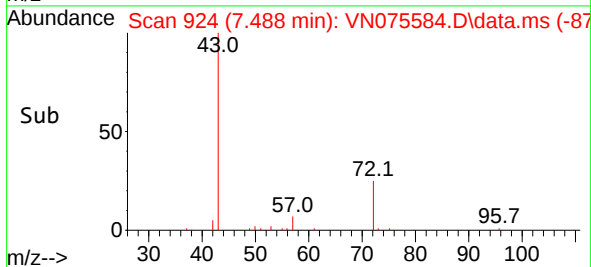
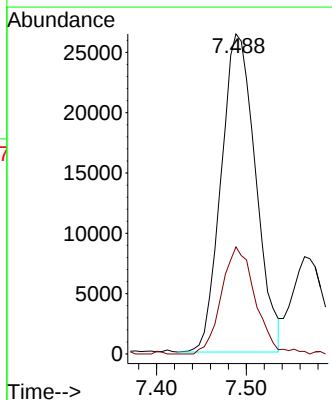
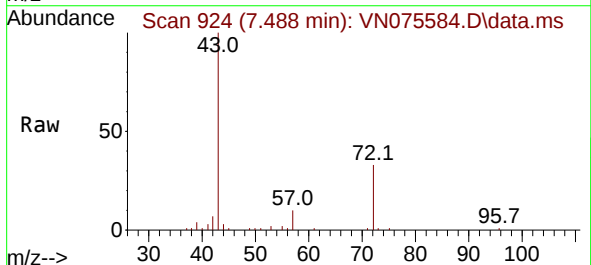


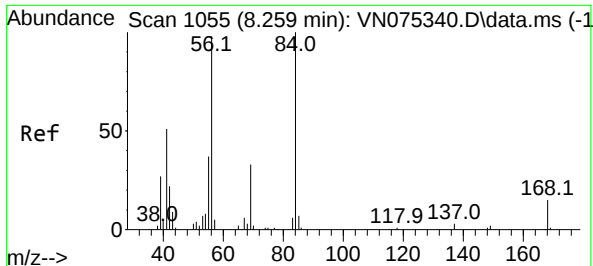
Tgt Ion:	84	Resp:	9874
Ion	Ratio	Lower	Upper
84	100		
49	100.6	94.9	142.3
51	27.9	26.8	40.2
86	66.1	53.7	80.5



#25
2-Butanone
Concen: 74.783 ug/l
RT: 7.488 min Scan# 924
Delta R.T. -0.001 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion:	43	Resp:	70486
Ion	Ratio	Lower	Upper
43	100		
72	33.7	25.5	38.3

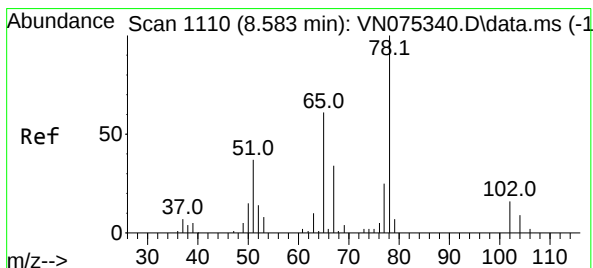
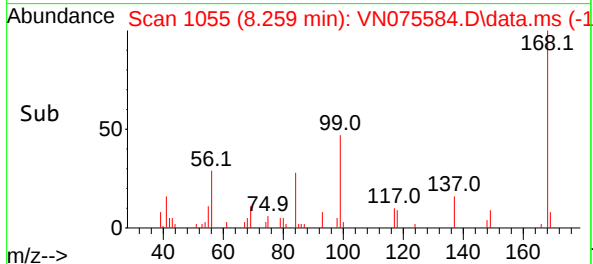
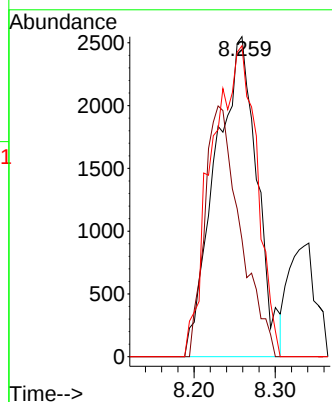
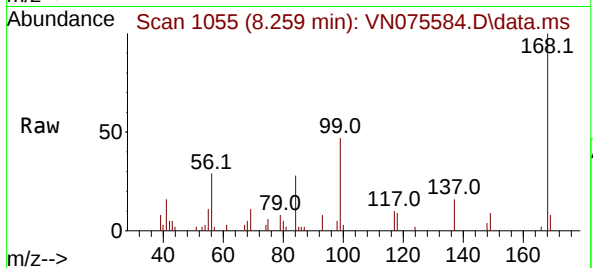




#31
Cyclohexane
Concen: 3.943 ug/l
RT: 8.259 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

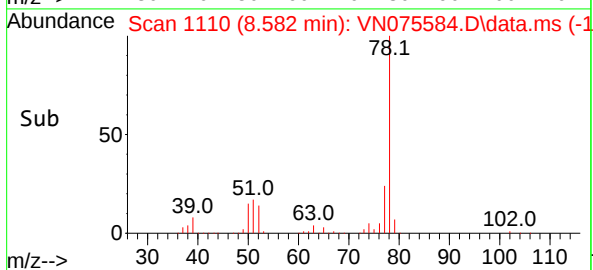
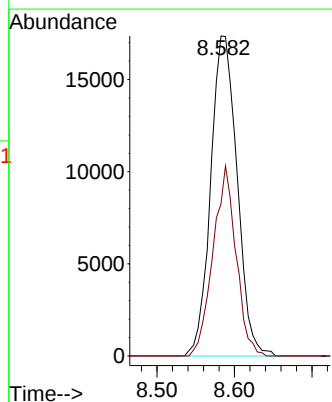
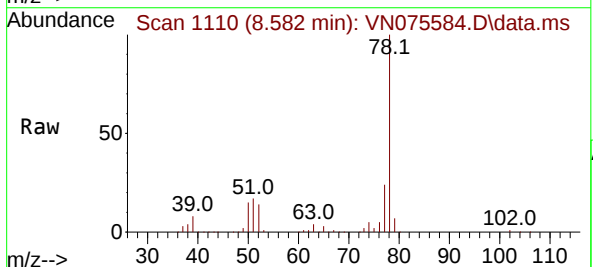
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ClientSampleId :
LIN-SIL-12-02

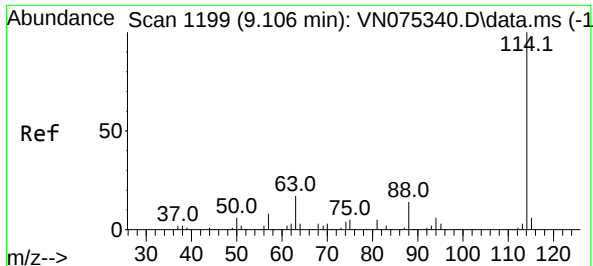
Tgt Ion: 56 Resp: 9066
Ion Ratio Lower Upper
56 100
69 36.6 25.2 37.8
84 97.1 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 56.834 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 65 Resp: 41135
Ion Ratio Lower Upper
65 100
67 51.7 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: VN075584.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

LIN-SIL-12-02

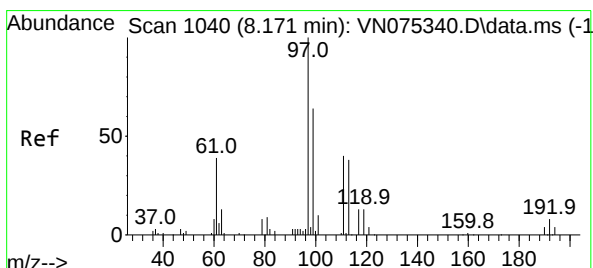
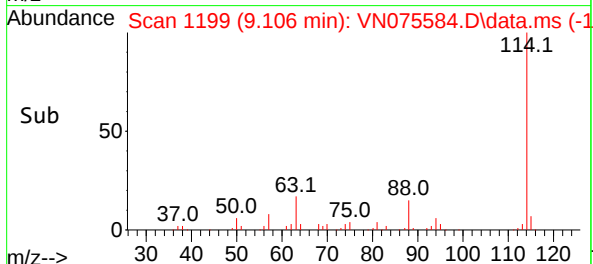
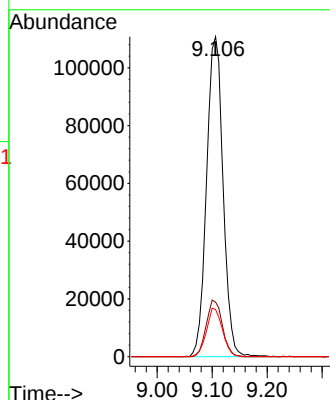
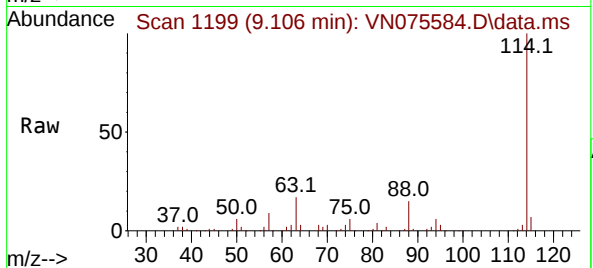
Tgt Ion:114 Resp: 230544

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.745 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075584.D

Acq: 06 Dec 2022 15:03

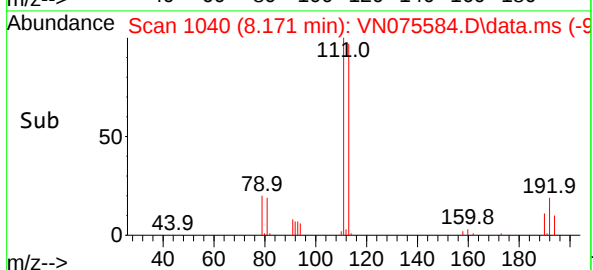
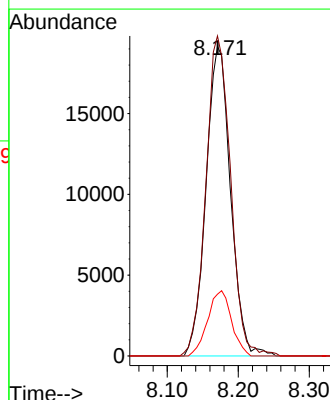
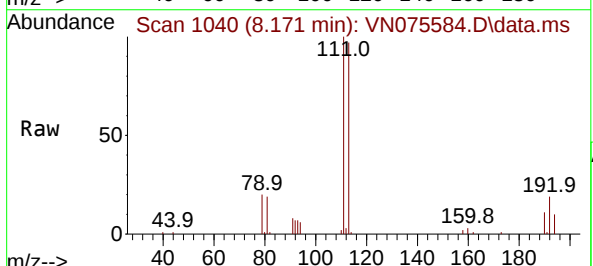
Tgt Ion:113 Resp: 45957

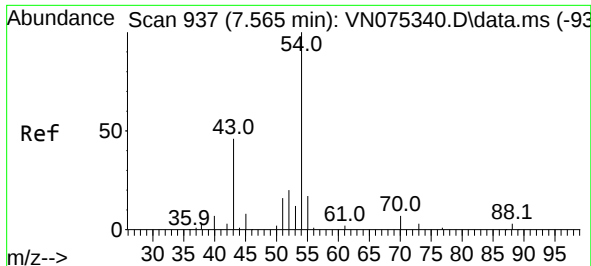
Ion Ratio Lower Upper

113 100

111 103.9 80.5 120.7

192 20.5 13.2 19.8#





#37

Ethyl Acetate

Concen: 11.503 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN075584.D

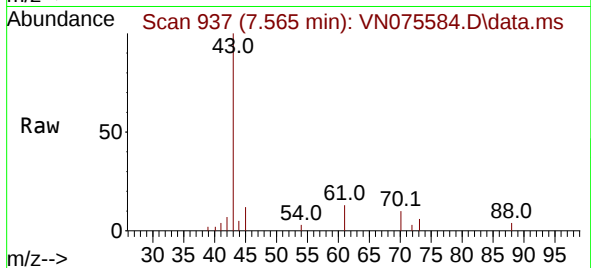
Acq: 06 Dec 2022 15:03

Instrument :

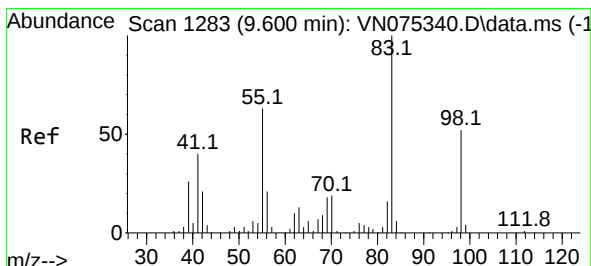
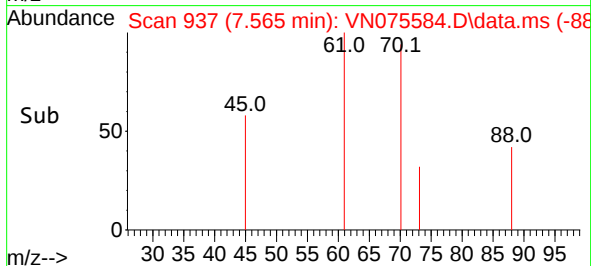
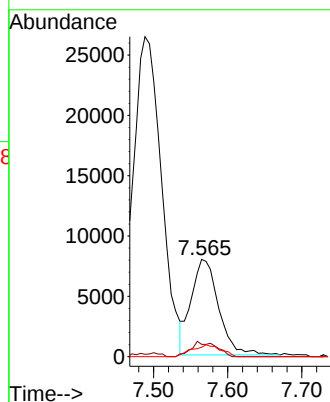
MSVOA_N

ClientSampleId :

LIN-SIL-12-02



Tgt Ion:	43	Resp:	20456
Ion Ratio	Lower	Upper	
43	100		
61	14.5	12.2	18.4
70	12.9	9.4	14.2



#39

Methylcyclohexane

Concen: 7.791 ug/l

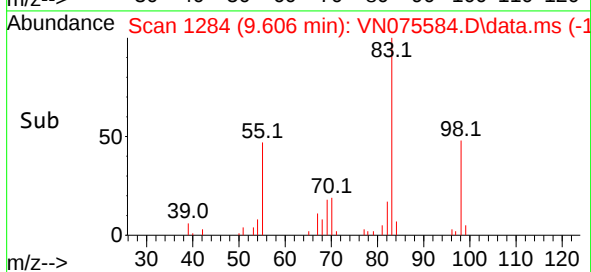
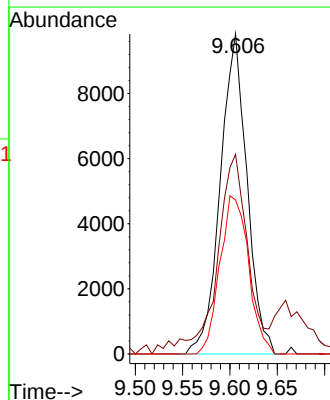
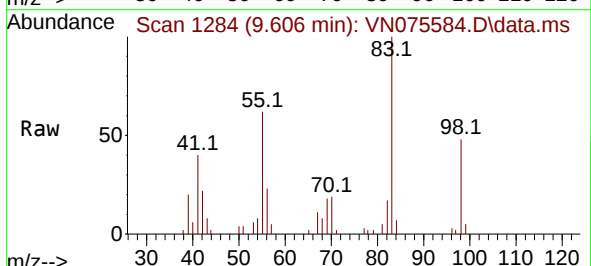
RT: 9.606 min Scan# 1284

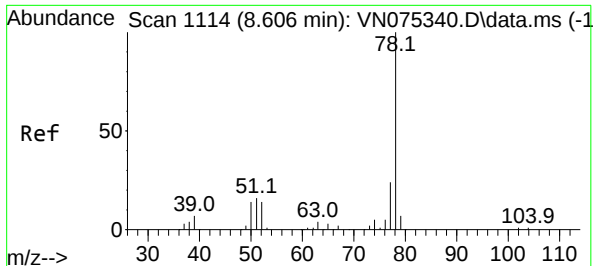
Delta R.T. 0.006 min

Lab File: VN075584.D

Acq: 06 Dec 2022 15:03

Tgt Ion:	83	Resp:	19257
Ion Ratio	Lower	Upper	
83	100		
55	57.7	53.6	80.4
98	48.1	41.1	61.7

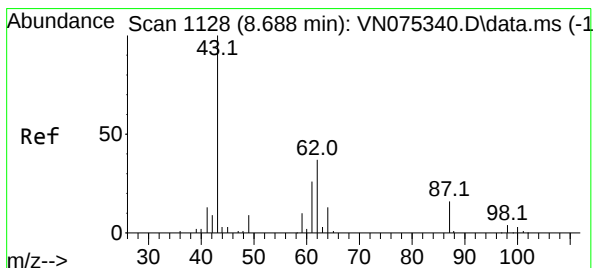
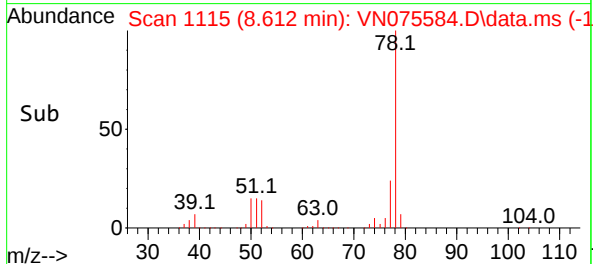
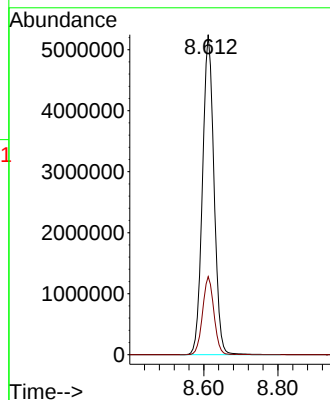
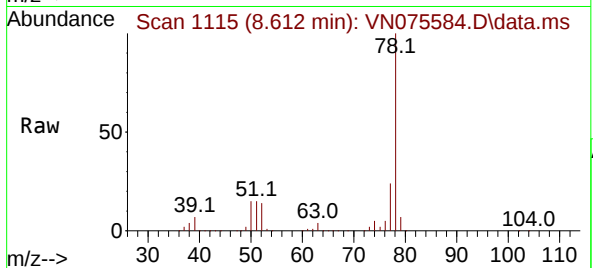




#40
Benzene
Concen: 1866.689 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

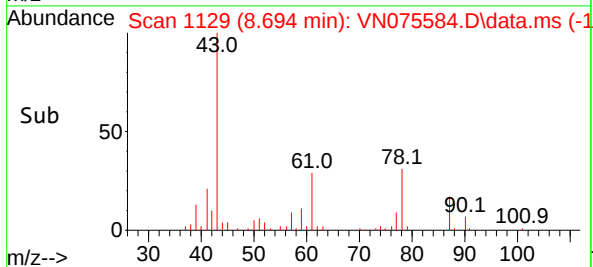
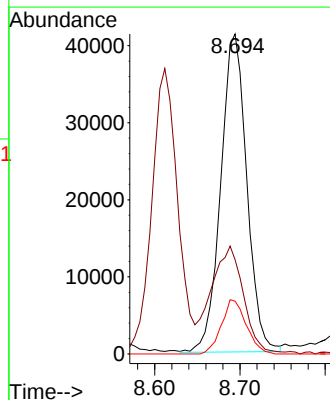
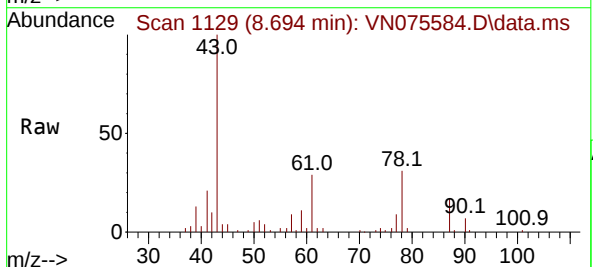
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

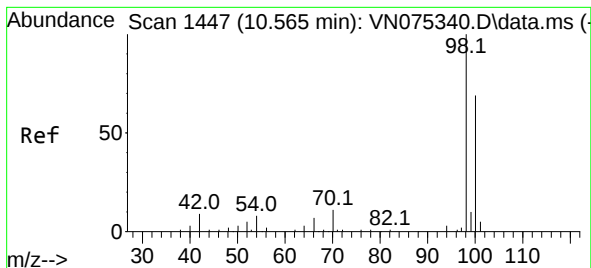
Tgt Ion: 78 Resp:11287708
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0



#43
Isopropyl Acetate
Concen: 30.782 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 43 Resp: 87868
Ion Ratio Lower Upper
43 100
61 42.4 22.4 33.6#
87 16.2 12.5 18.7





#50

Toluene-d8

Concen: 48.753 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075584.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

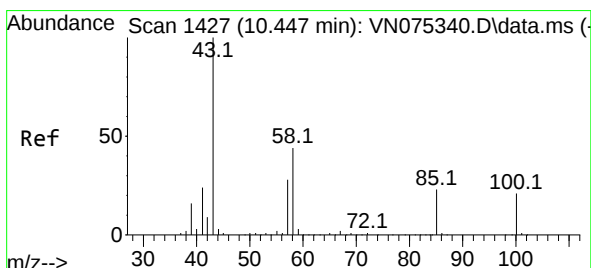
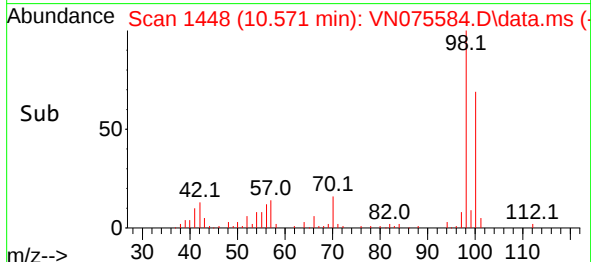
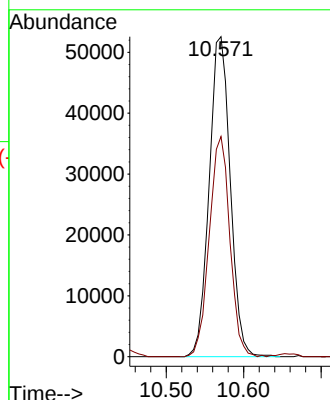
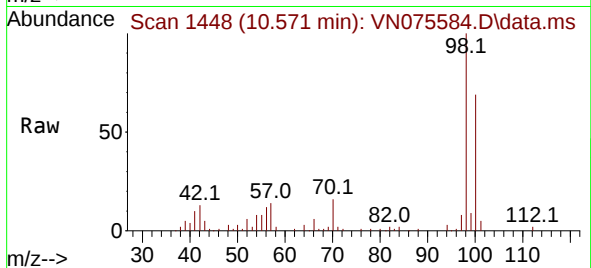
LIN-SIL-12-02

Tgt Ion: 98 Resp: 99445

Ion Ratio Lower Upper

98 100

100 67.1 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 6.133 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN075584.D

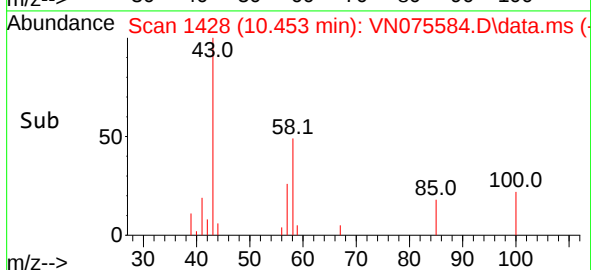
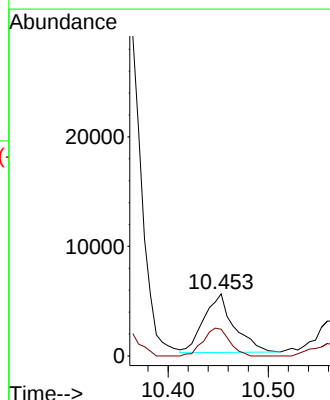
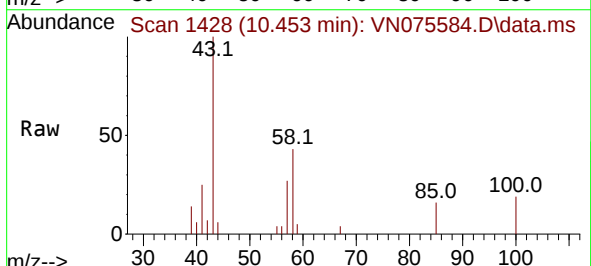
Acq: 06 Dec 2022 15:03

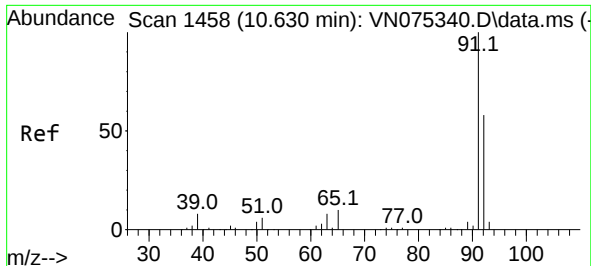
Tgt Ion: 43 Resp: 11150

Ion Ratio Lower Upper

43 100

58 41.3 33.6 50.4

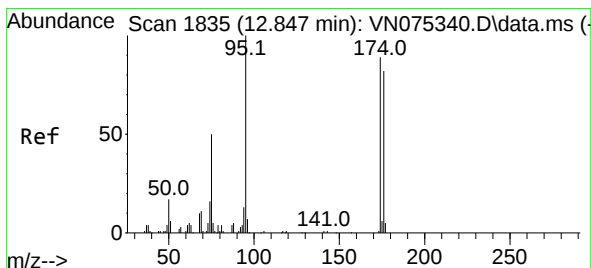
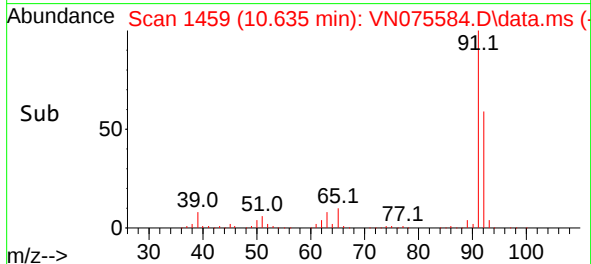
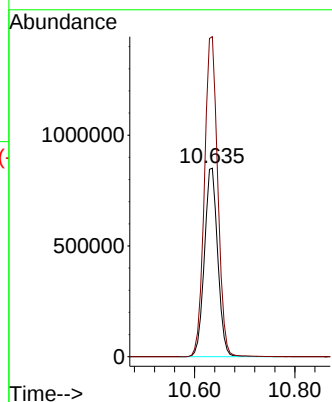
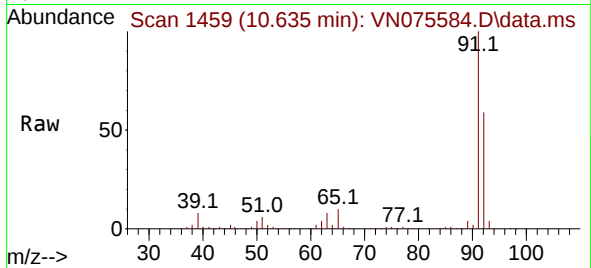




#52
Toluene
Concen: 402.539 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

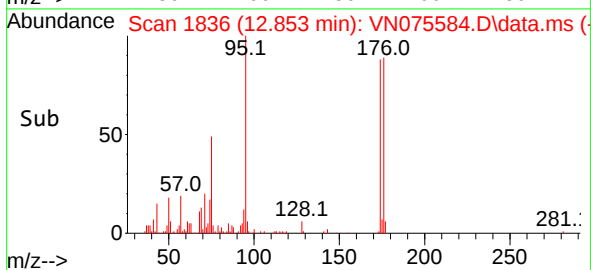
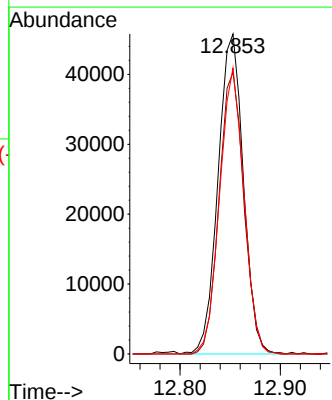
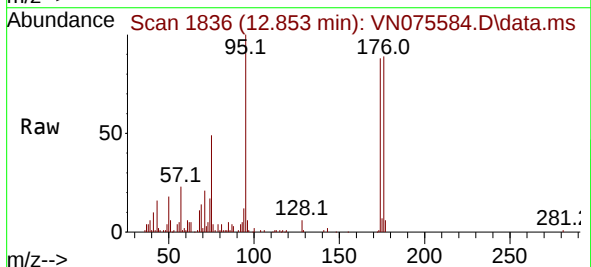
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

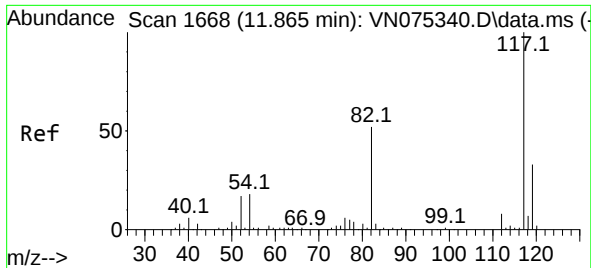
Tgt Ion: 92 Resp: 1568571
Ion Ratio Lower Upper
92 100
91 170.6 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 53.195 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 95 Resp: 80089
Ion Ratio Lower Upper
95 100
174 86.2 0.0 147.4
176 85.8 0.0 142.2

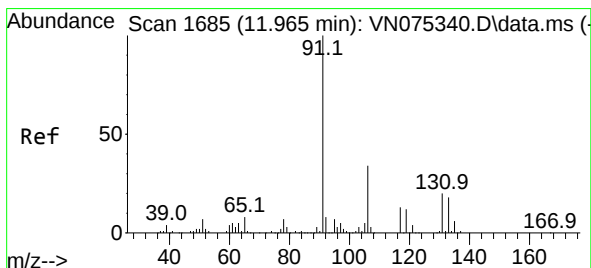
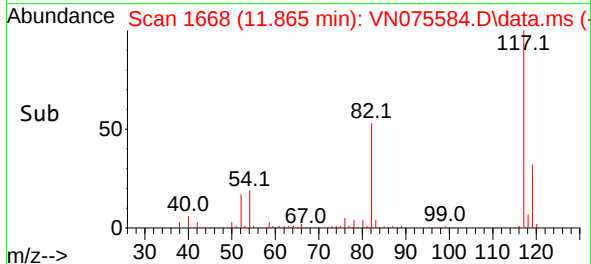
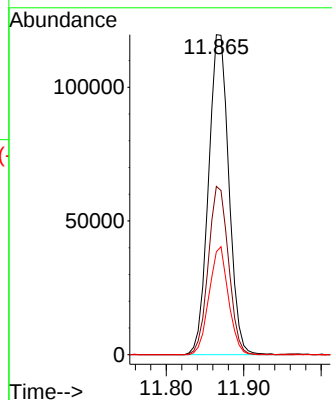
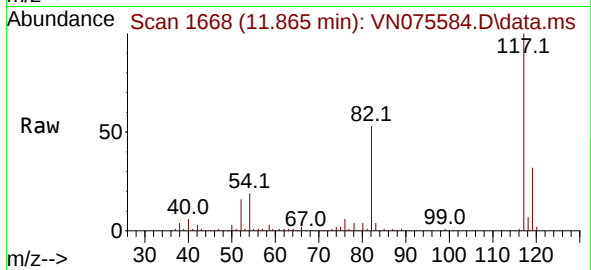




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

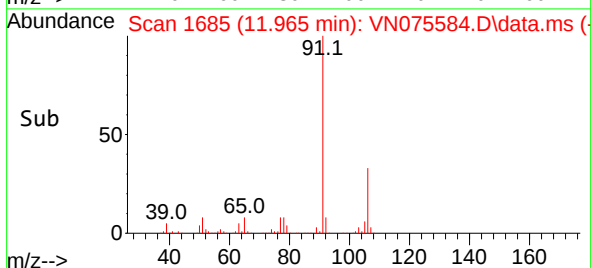
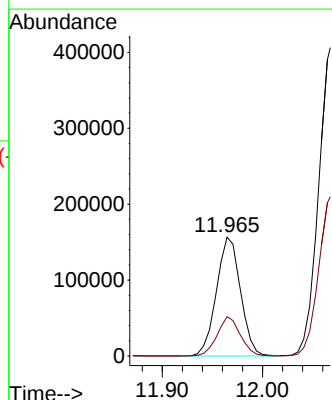
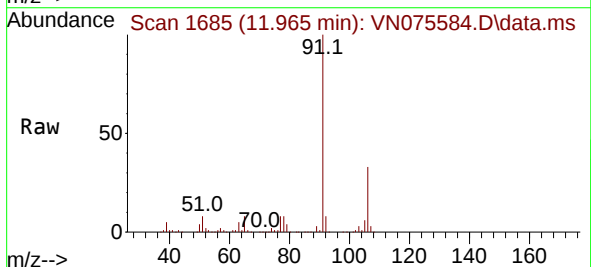
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

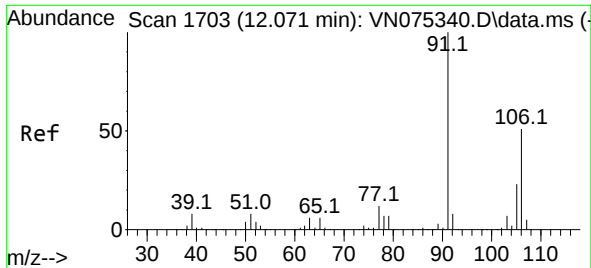
Tgt Ion:117 Resp: 218005
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 32.2 25.5 38.3



#67
Ethyl Benzene
Concen: 33.965 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 91 Resp: 260887
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3

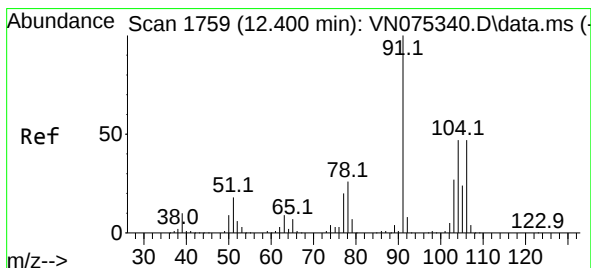
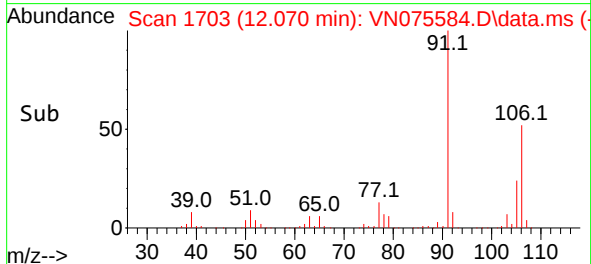
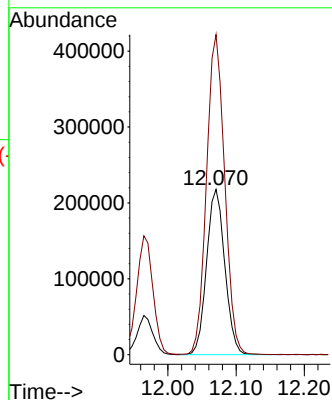
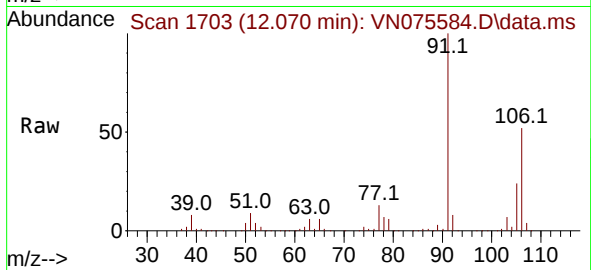




#68
m/p-Xylenes
Concen: 129.679 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

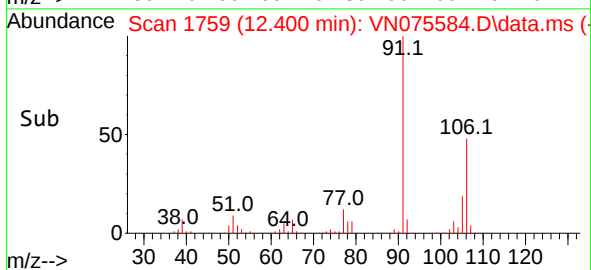
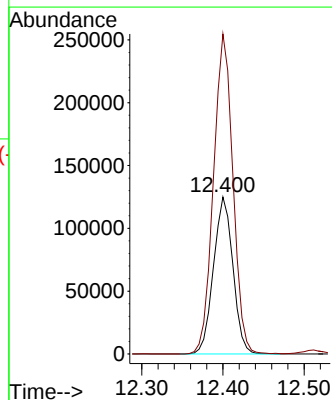
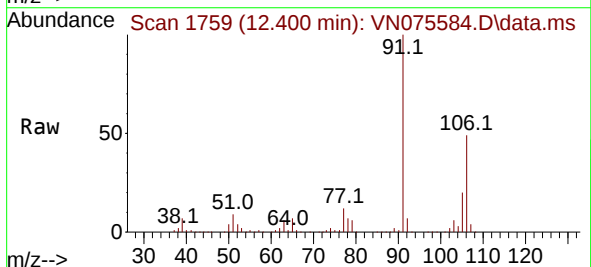
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

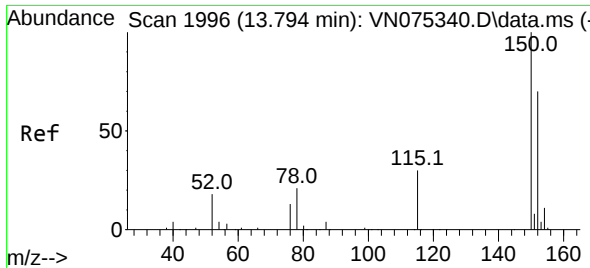
Tgt Ion:106 Resp: 404487
Ion Ratio Lower Upper
106 100
91 192.8 156.0 234.0



#69
o-Xylene
Concen: 66.972 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion:106 Resp: 207553
Ion Ratio Lower Upper
106 100
91 204.5 105.2 315.5

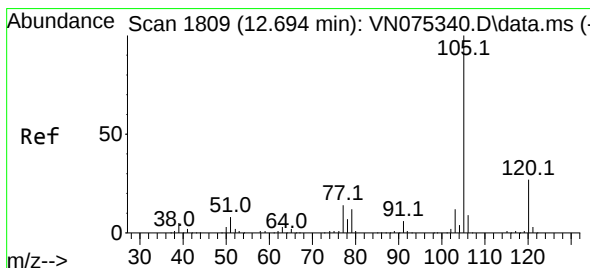
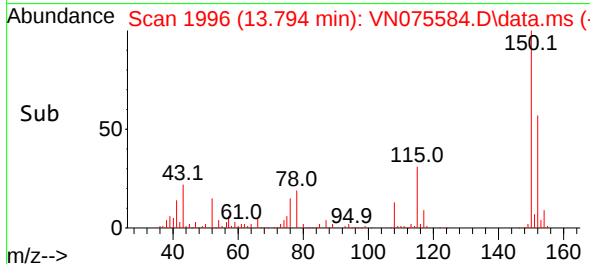
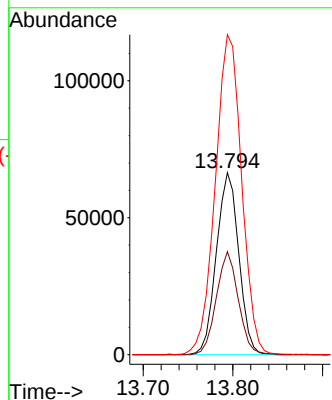
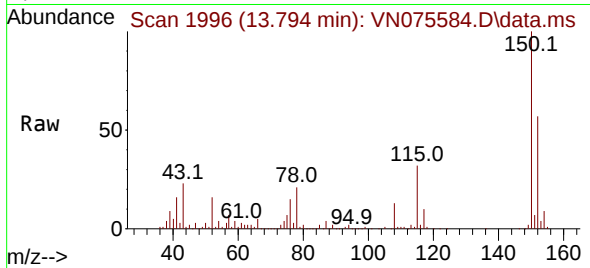




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

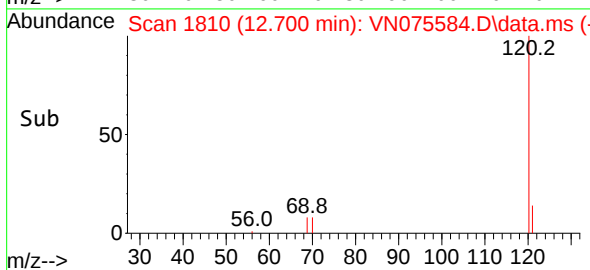
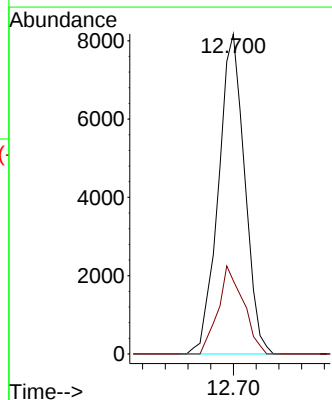
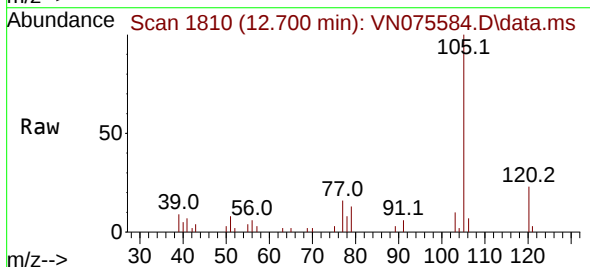
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

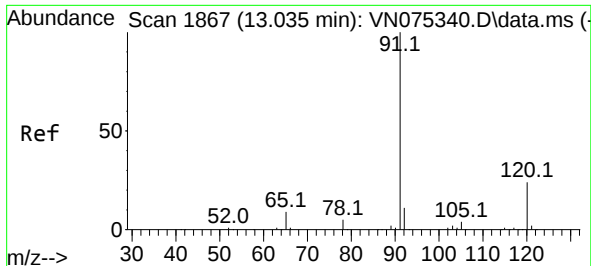
Tgt Ion:152 Resp: 115091
Ion Ratio Lower Upper
152 100
115 55.5 30.2 90.6
150 207.2 0.0 348.4



#73
Isopropylbenzene
Concen: 1.560 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion:105 Resp: 13119
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.1

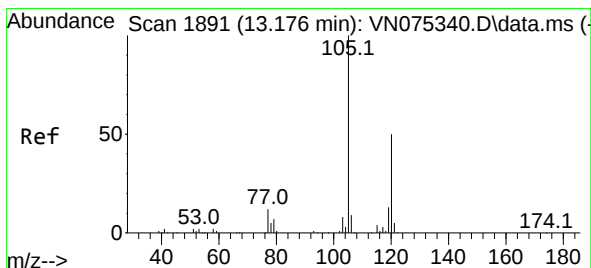
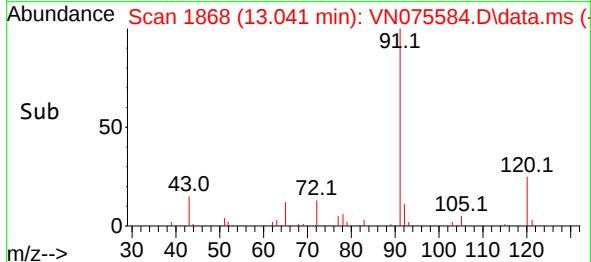
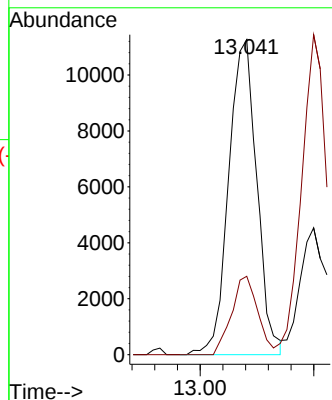
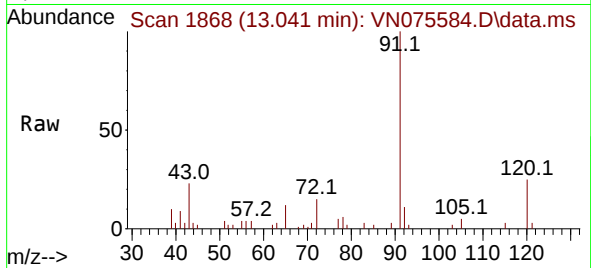




#78
n-propylbenzene
Concen: 2.066 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

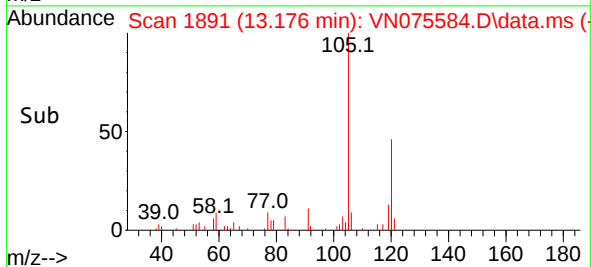
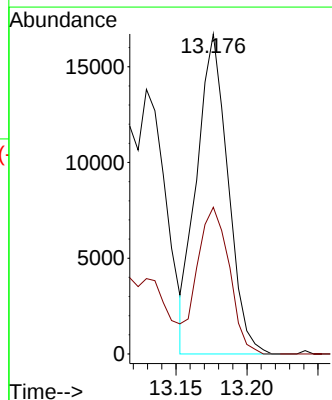
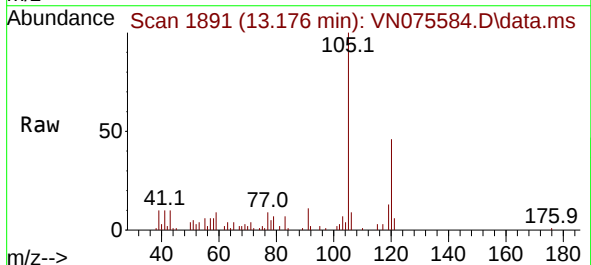
Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

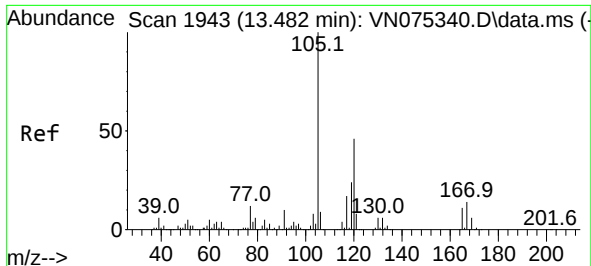
Tgt Ion: 91 Resp: 19388
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 3.655 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 105 Resp: 25531
Ion Ratio Lower Upper
105 100
120 47.1 24.7 74.1

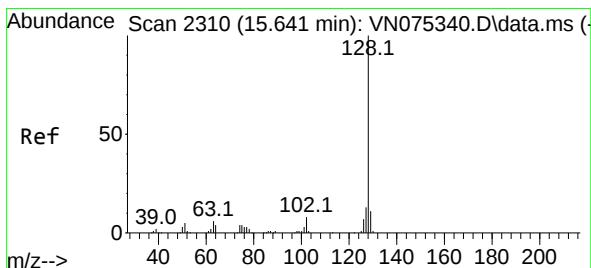
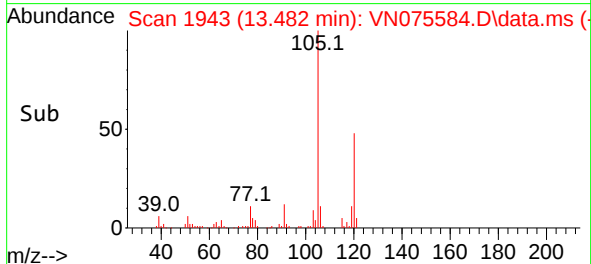
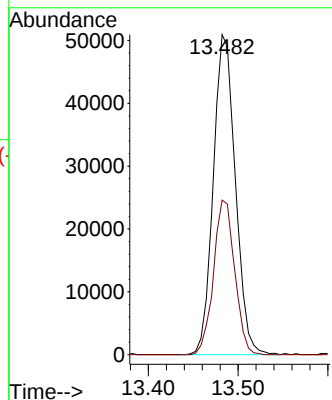
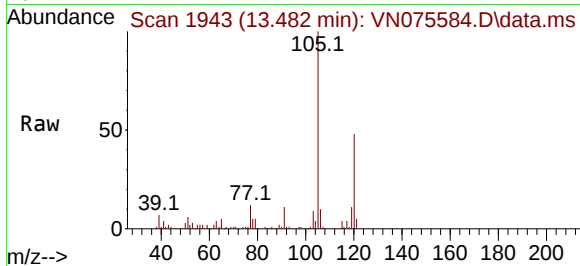




#84
1,2,4-Trimethylbenzene
Concen: 12.417 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :
LIN-SIL-12-02

Tgt Ion:105 Resp: 87007
Ion Ratio Lower Upper
105 100
120 46.2 22.7 68.1



#95
Naphthalene
Concen: 2.791 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075584.D
Acq: 06 Dec 2022 15:03

Tgt Ion:128 Resp: 17250
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.8 8.6 12.8

