

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070395.D
 Acq On : 30 Dec 2021 13:25
 Operator : JC/MD
 Sample : M5219-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48854-VOC

Quant Time: Dec 31 01:17:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

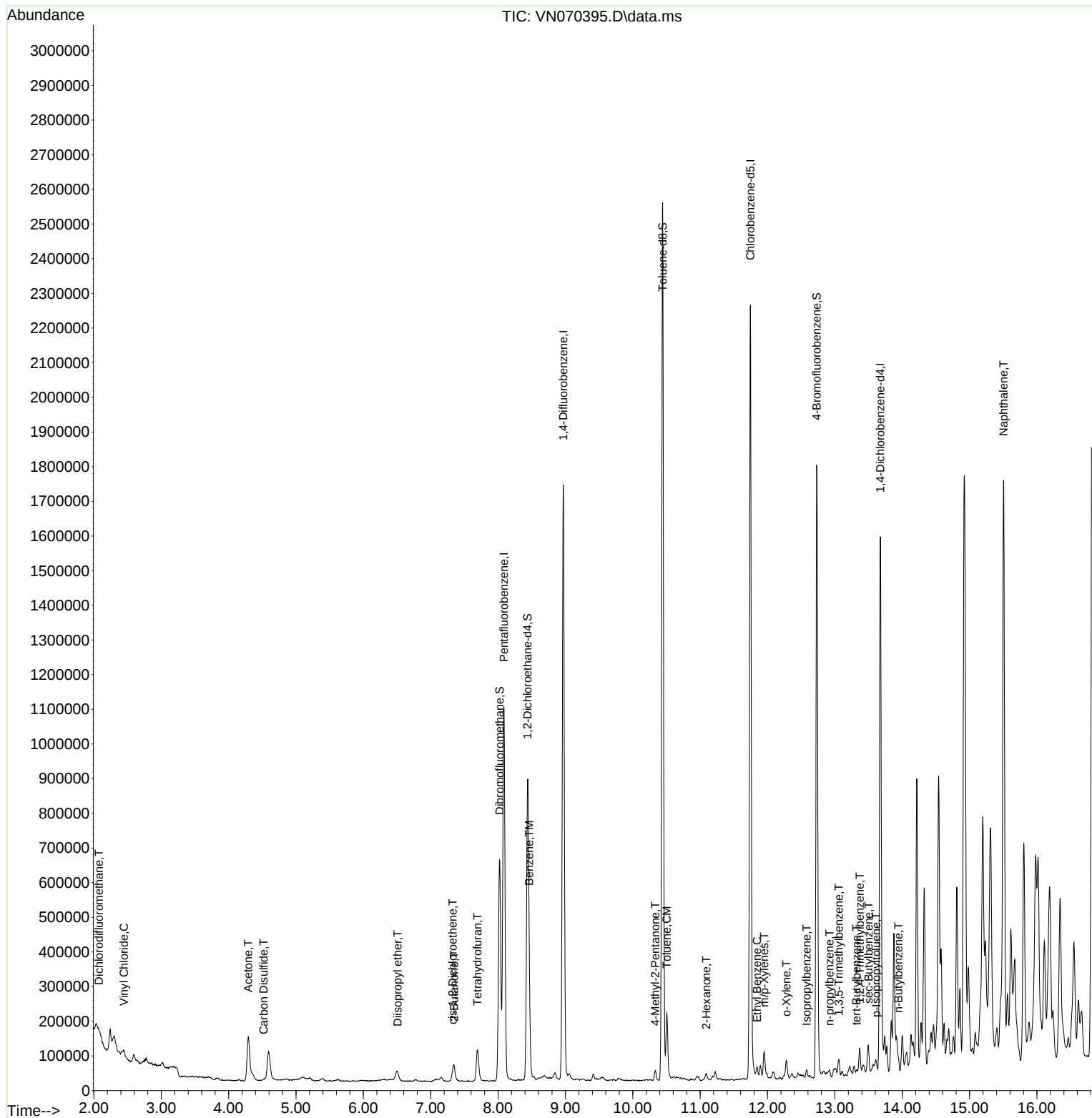
Internal Standards						
1) Pentafluorobenzene	8.086	168	824125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1461677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1249237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	415924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	674004	56.881	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.760%			
35) Dibromofluoromethane	8.021	113	474052	53.602	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.200%			
50) Toluene-d8	10.443	98	1722470	47.677	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.731	95	622670	47.719	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	3073	0.329	ug/l	86
4) Vinyl Chloride	2.445	62	11820	1.021	ug/l	90
16) Acetone	4.291	43	219803	28.575	ug/l	95
17) Carbon Disulfide	4.521	76	10078	0.440	ug/l	96
22) Diisopropyl ether	6.506	45	37863	1.022	ug/l #	89
25) 2-Butanone	7.348	43	63898	6.597	ug/l	91
27) cis-1,2-Dichloroethene	7.327	96	7651	0.722	ug/l	50
29) Tetrahydrofuran	7.691	42	77038	13.332	ug/l #	86
40) Benzene	8.461	78	173869	3.876	ug/l	99
51) 4-Methyl-2-Pentanone	10.333	43	20498	1.091	ug/l	94
52) Toluene	10.505	92	76700	2.825	ug/l	97
59) 2-Hexanone	11.089	43	15456	1.128	ug/l	75
67) Ethyl Benzene	11.846	91	18985	0.391	ug/l	94
68) m/p-Xylenes	11.950	106	24515	1.387	ug/l	91
69) o-Xylene	12.280	106	12035	0.684	ug/l	89
73) Isopropylbenzene	12.581	105	10955	0.284	ug/l	96
78) n-propylbenzene	12.921	91	16751	0.391	ug/l	95
80) 1,3,5-Trimethylbenzene	13.061	105	9820	0.317	ug/l	99
83) tert-Butylbenzene	13.321	119	5881	0.216	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	45148	1.515	ug/l	95
85) sec-Butylbenzene	13.500	105	19417	0.525	ug/l	87
86) p-Isopropyltoluene	13.616	119	12100	0.416	ug/l	95
89) n-Butylbenzene	13.943	91	20898	0.862	ug/l #	80
95) Naphthalene	15.504	128	1523467	79.299	ug/l	99

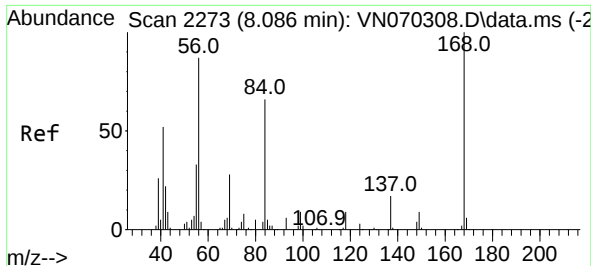
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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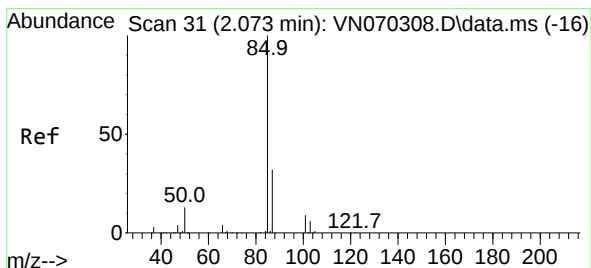
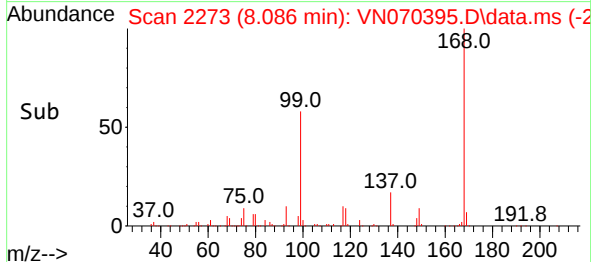
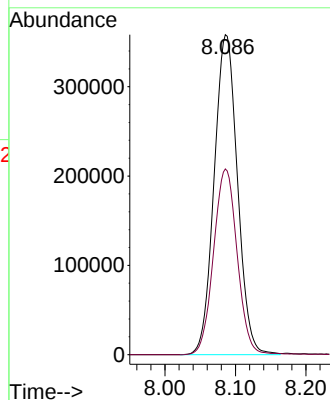
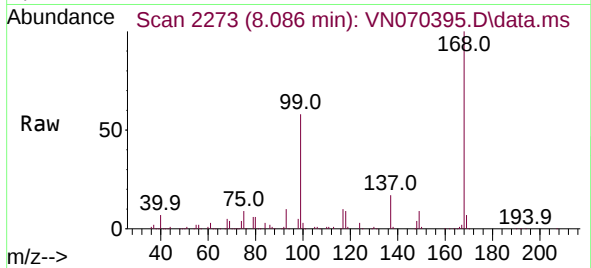




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

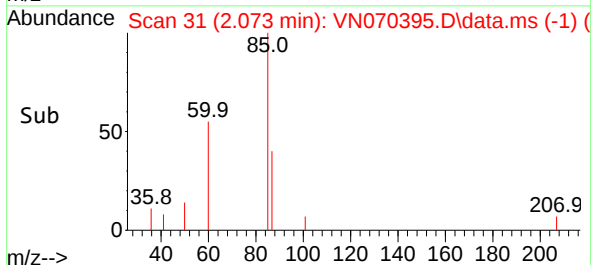
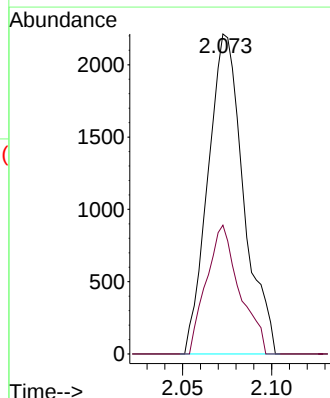
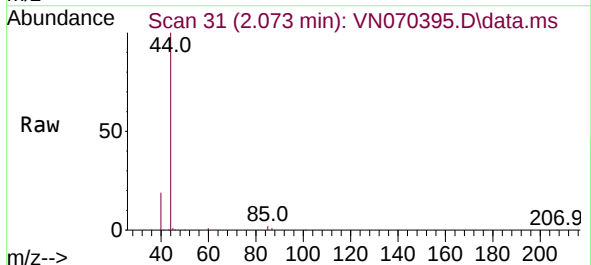
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

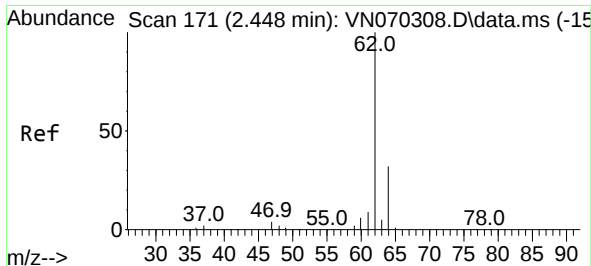
Tgt Ion:168 Resp: 824125
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.329 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 85 Resp: 3073
Ion Ratio Lower Upper
85 100
87 40.3 16.3 48.9

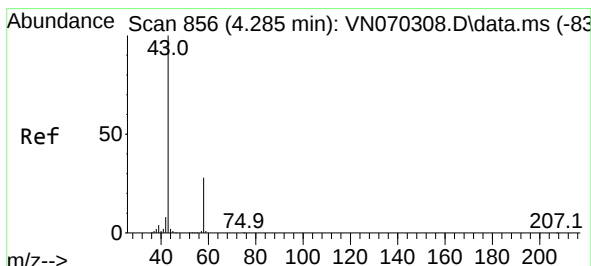
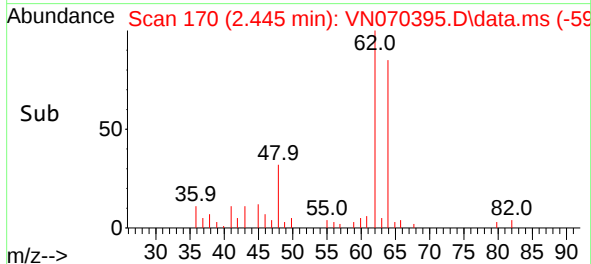
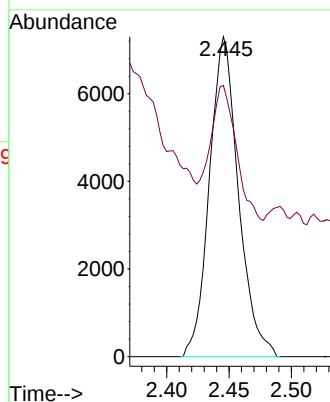
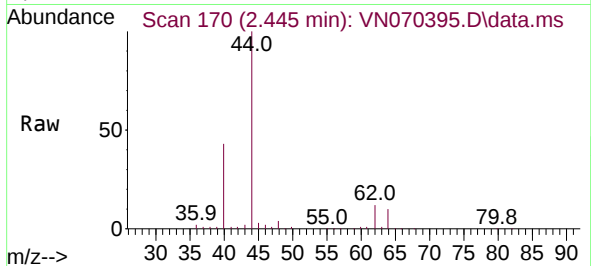




#4
 Vinyl Chloride
 Concen: 1.021 ug/l
 RT: 2.445 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VN070395.D
 Acq: 30 Dec 2021 13:25

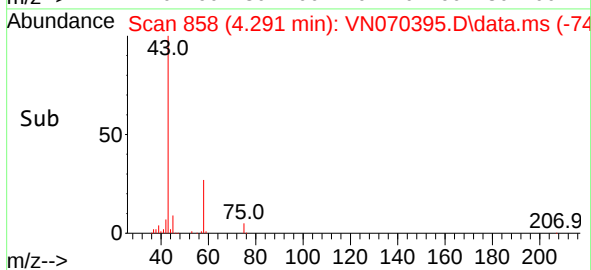
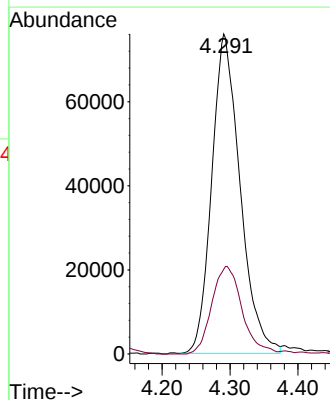
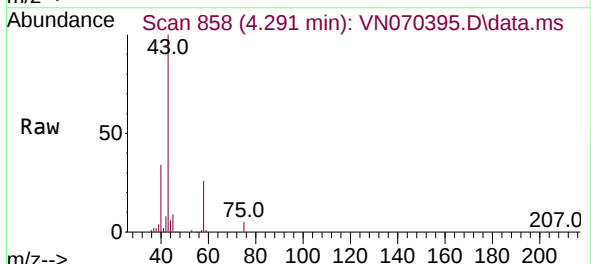
Instrument :
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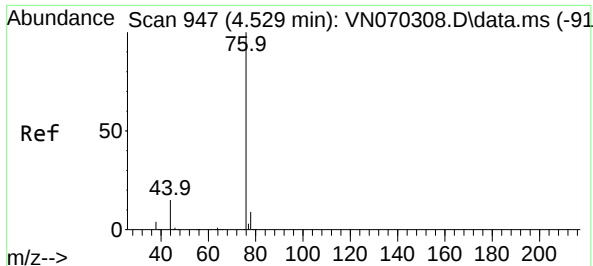
Tgt Ion: 62 Resp: 11820
 Ion Ratio Lower Upper
 62 100
 64 37.8 25.8 38.6



#16
 Acetone
 Concen: 28.575 ug/l
 RT: 4.291 min Scan# 858
 Delta R.T. 0.006 min
 Lab File: VN070395.D
 Acq: 30 Dec 2021 13:25

Tgt Ion: 43 Resp: 219803
 Ion Ratio Lower Upper
 43 100
 58 26.5 23.1 34.7

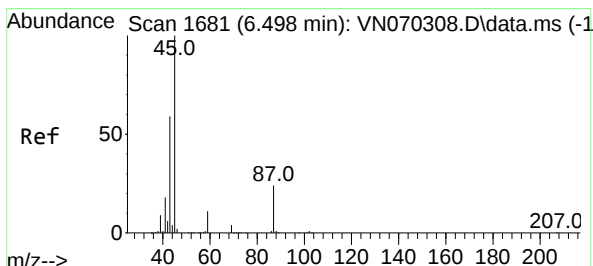
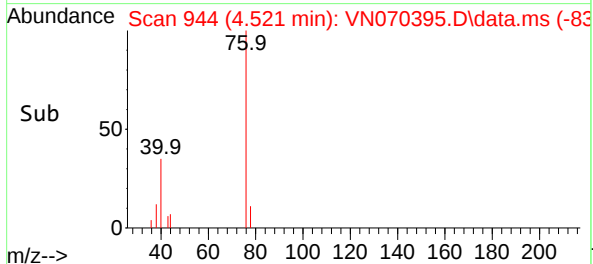
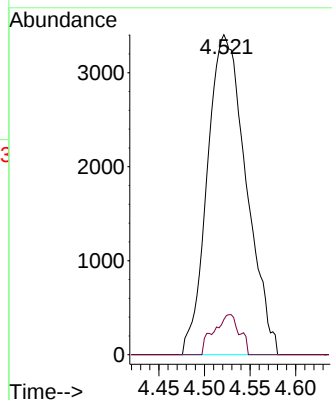
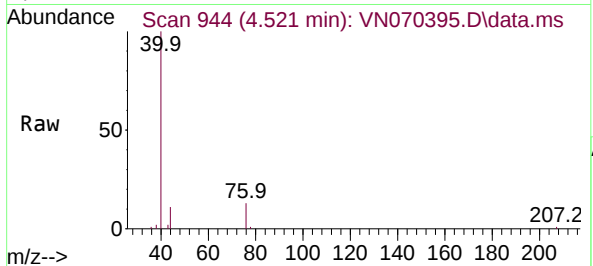




#17
Carbon Disulfide
Concen: 0.440 ug/l
RT: 4.521 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

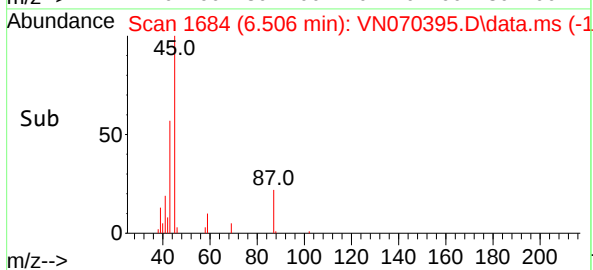
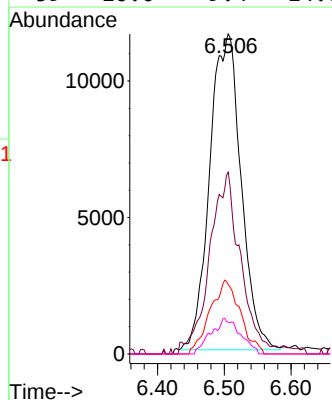
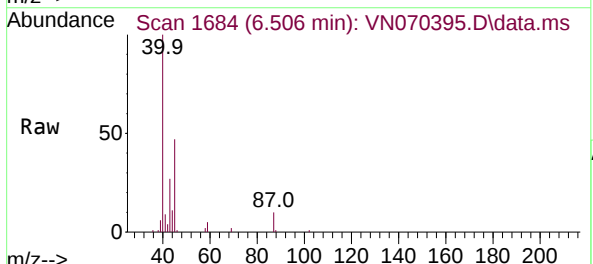
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

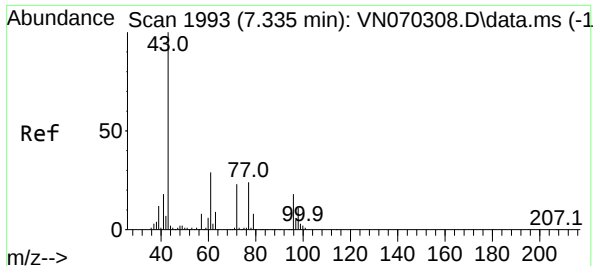
Tgt Ion: 76 Resp: 10078
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3



#22
Diisopropyl ether
Concen: 1.022 ug/l
RT: 6.506 min Scan# 1684
Delta R.T. 0.008 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 45 Resp: 37863
Ion Ratio Lower Upper
45 100
43 55.4 51.7 77.5
87 22.0 23.2 34.8#
59 10.0 9.4 14.0





#25

2-Butanone

Concen: 6.597 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.013 min

Lab File: VN070395.D

Acq: 30 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

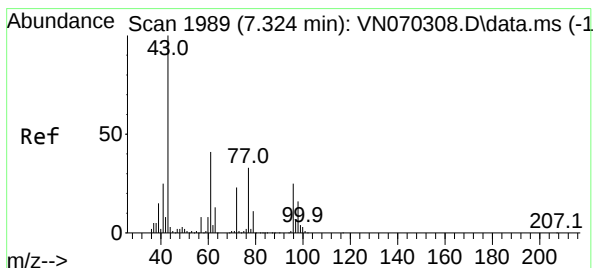
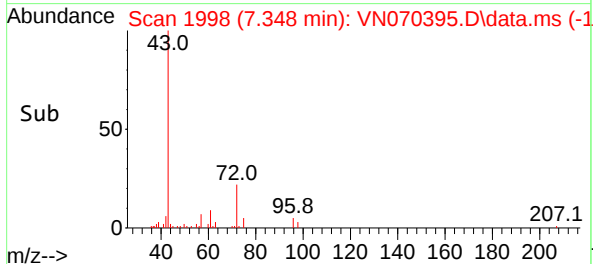
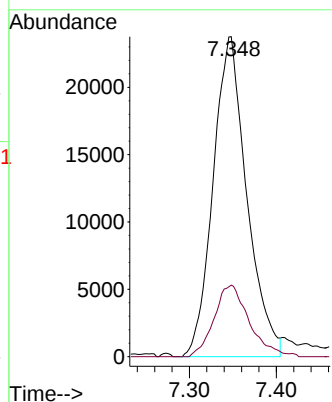
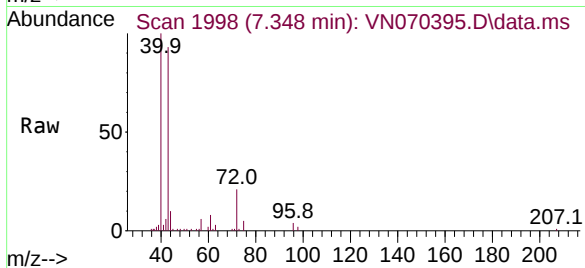
N48854-VOC

Tgt Ion: 43 Resp: 63898

Ion Ratio Lower Upper

43 100

72 22.3 21.7 32.5



#27

cis-1,2-Dichloroethene

Concen: 0.722 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.003 min

Lab File: VN070395.D

Acq: 30 Dec 2021 13:25

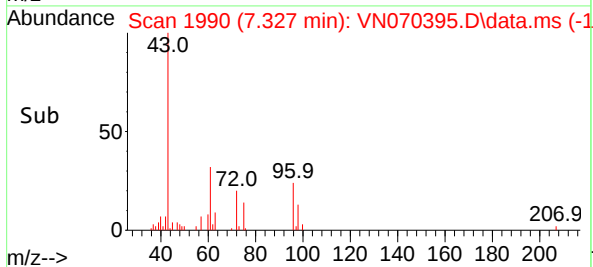
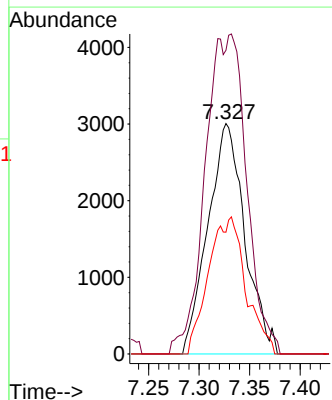
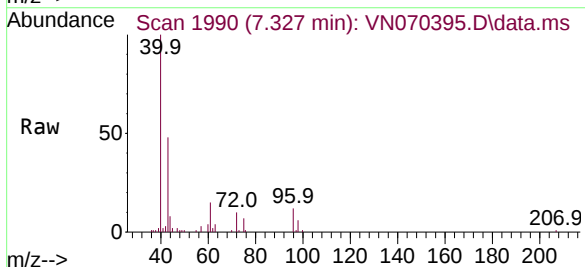
Tgt Ion: 96 Resp: 7651

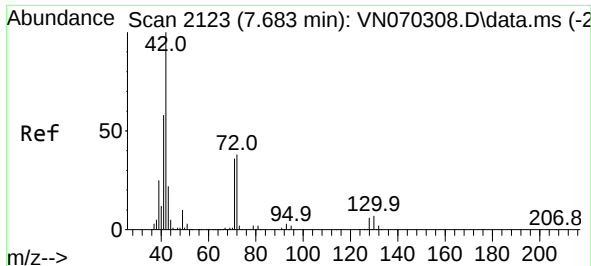
Ion Ratio Lower Upper

96 100

61 73.6 0.0 275.0

98 30.1 0.0 129.6





#29

Tetrahydrofuran

Concen: 13.332 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070395.D

Acq: 30 Dec 2021 13:25

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MSVOA_N

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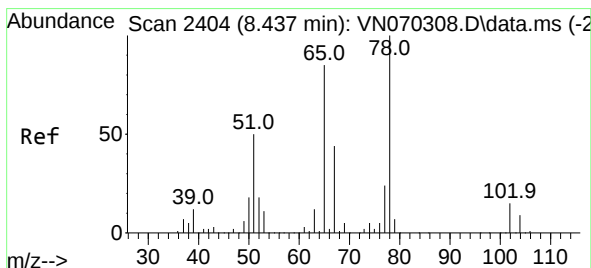
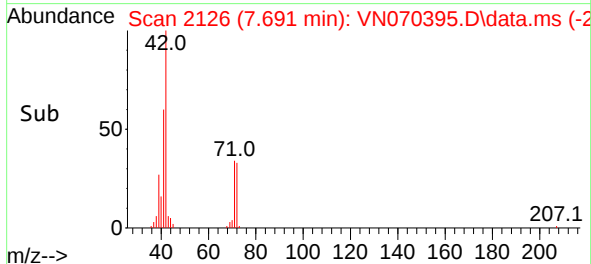
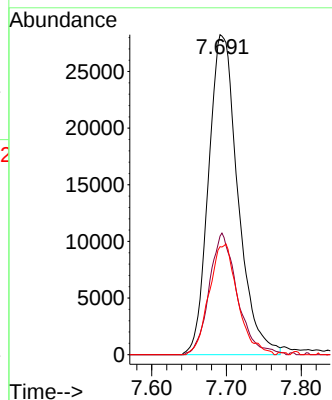
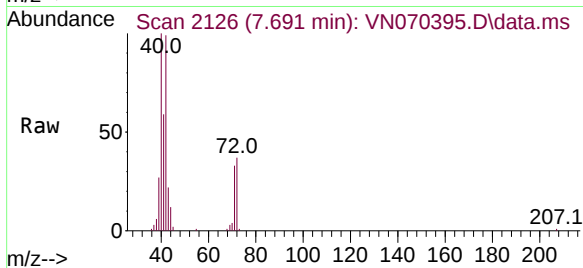
Tgt Ion: 42 Resp: 77038

Ion Ratio Lower Upper

42 100

72 36.3 36.3 54.5#

71 33.7 34.7 52.1#



#33

1,2-Dichloroethane-d4

Concen: 56.881 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070395.D

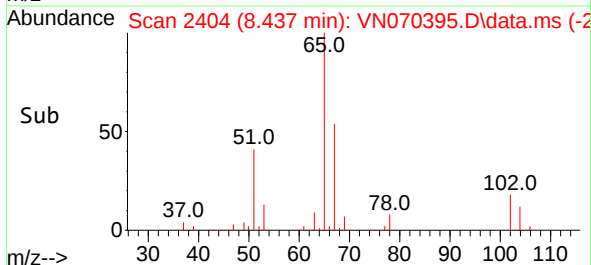
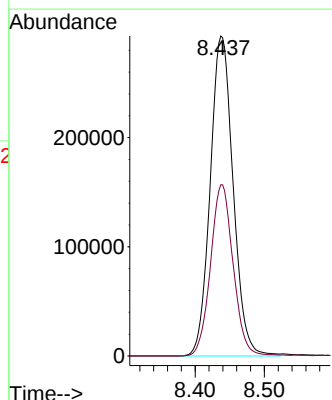
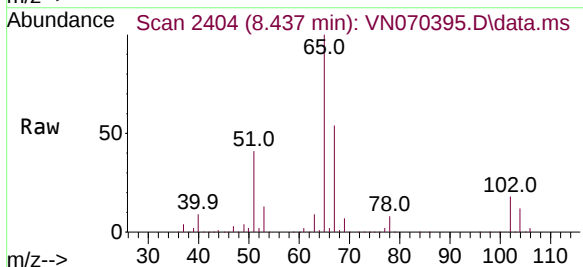
Acq: 30 Dec 2021 13:25

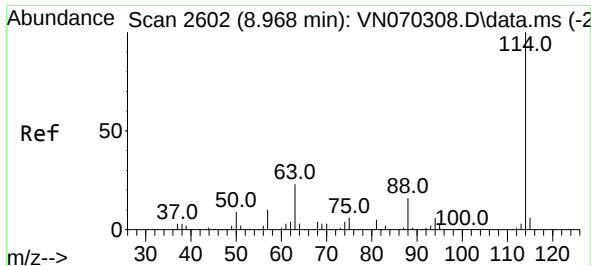
Tgt Ion: 65 Resp: 674004

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0

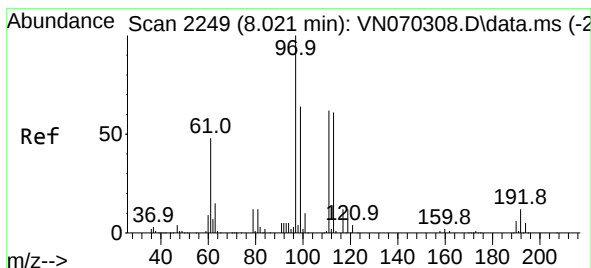
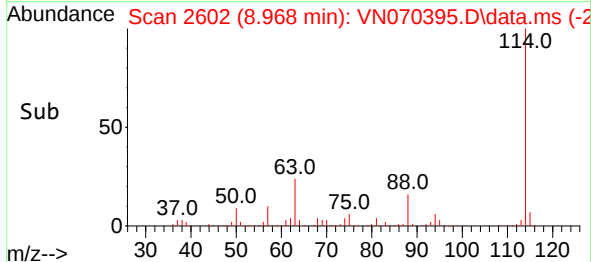
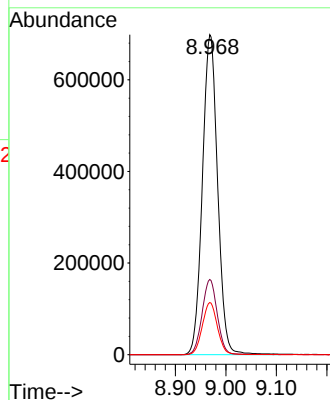
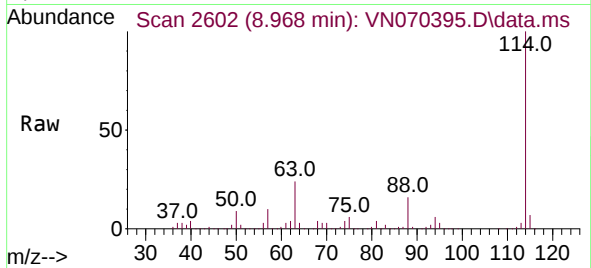




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

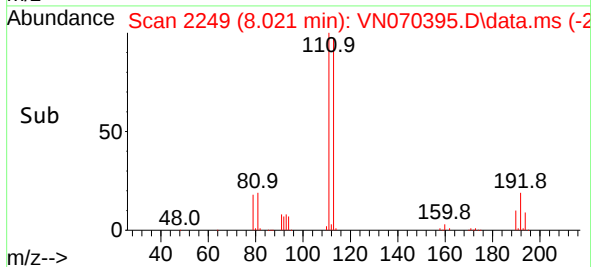
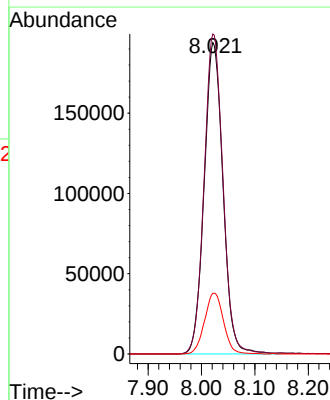
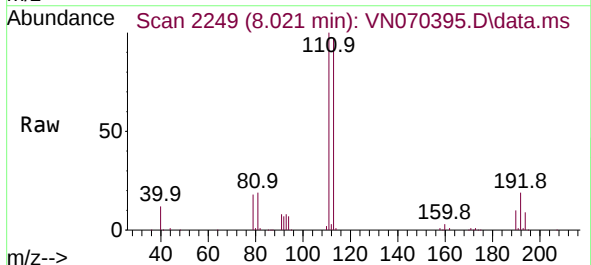
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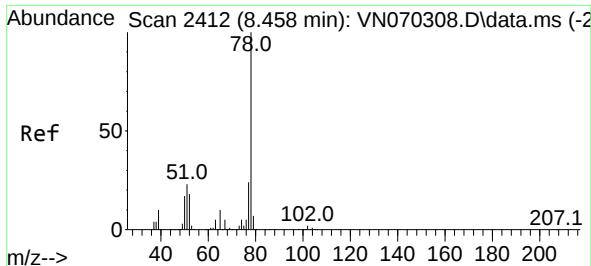
Tgt Ion:114 Resp: 1461677
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 53.602 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion:113 Resp: 474052
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.7 16.9 25.3

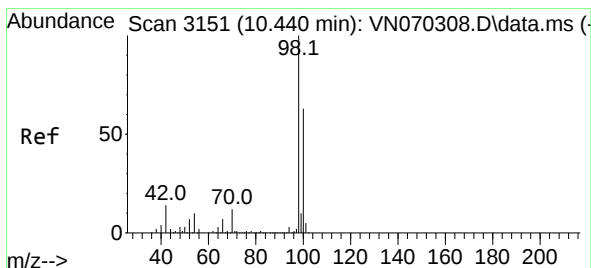
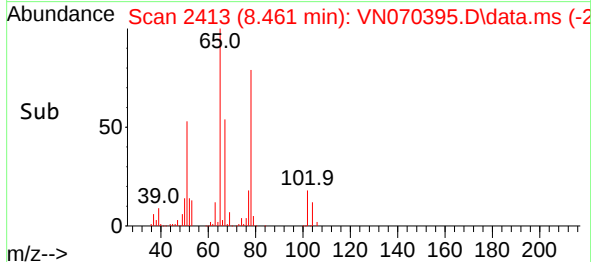
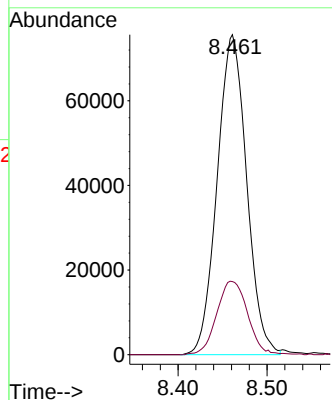
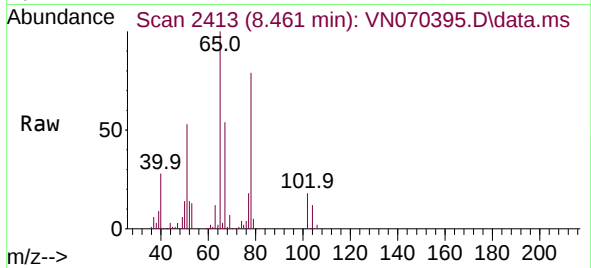




#40
Benzene
Concen: 3.876 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

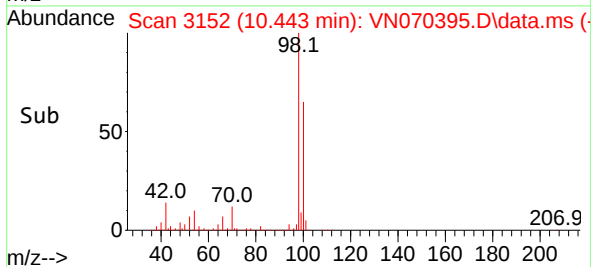
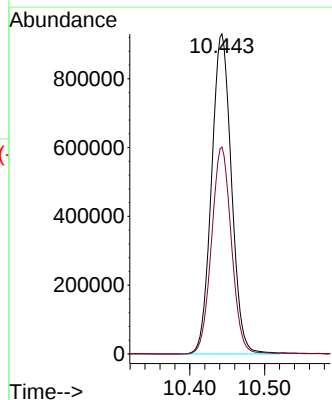
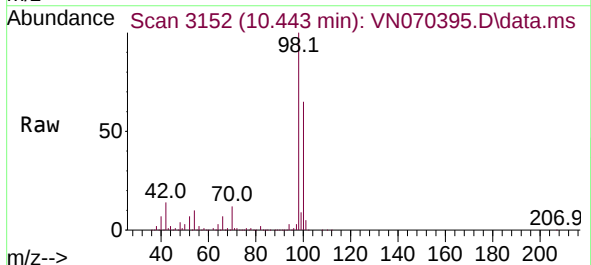
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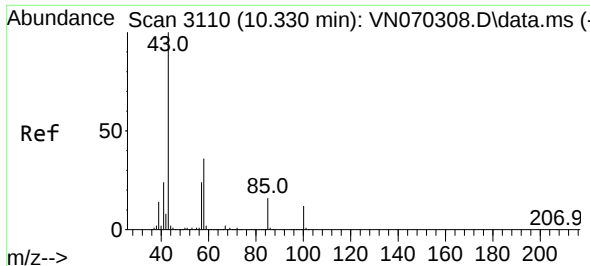
Tgt Ion: 78 Resp: 173869
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8



#50
Toluene-d8
Concen: 47.677 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 98 Resp: 1722470
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6

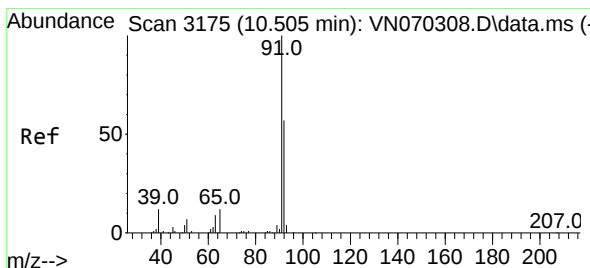
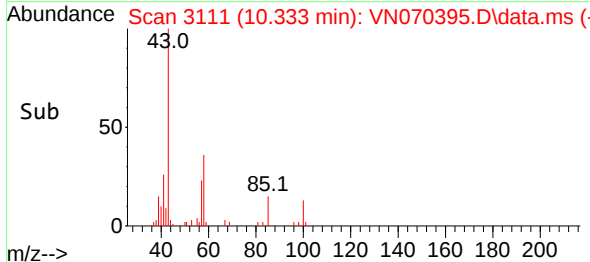
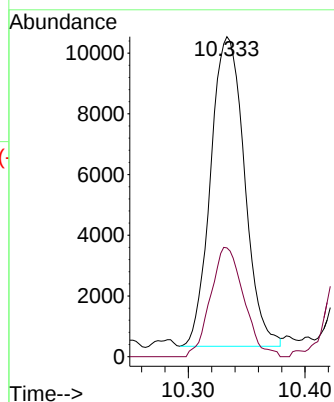
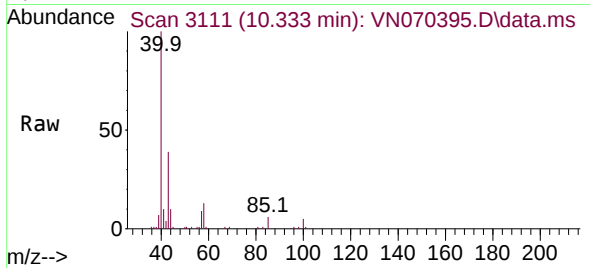




#51
4-Methyl-2-Pentanone
Concen: 1.091 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

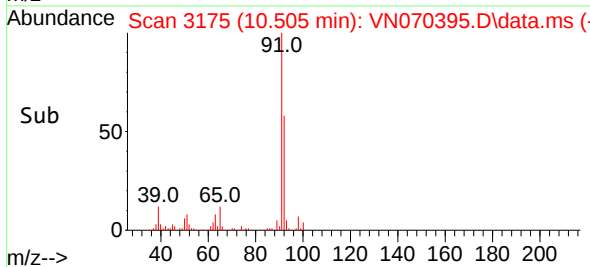
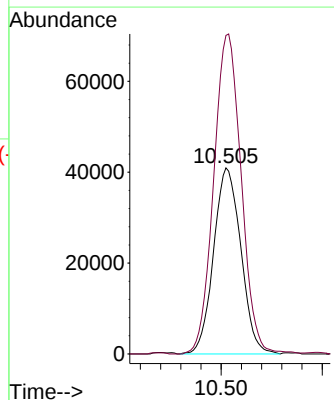
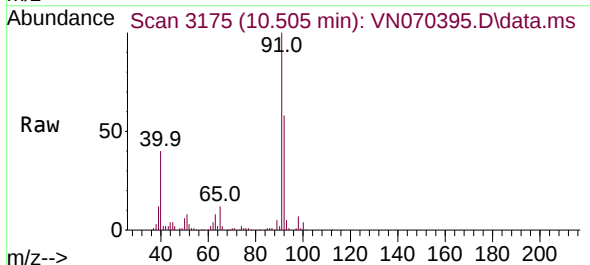
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

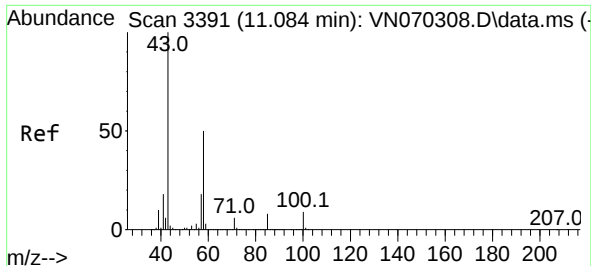
Tgt Ion: 43 Resp: 20498
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6



#52
Toluene
Concen: 2.825 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 92 Resp: 76700
Ion Ratio Lower Upper
92 100
91 173.7 142.0 213.0

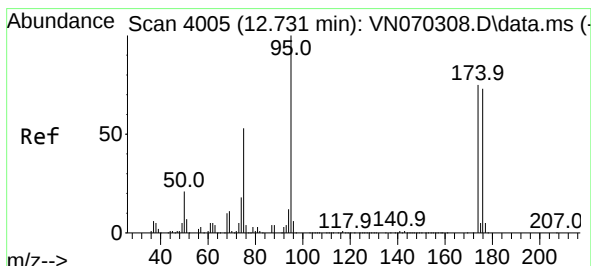
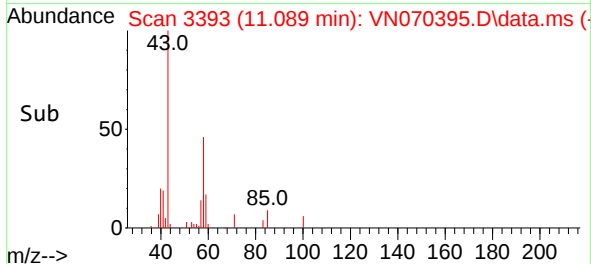
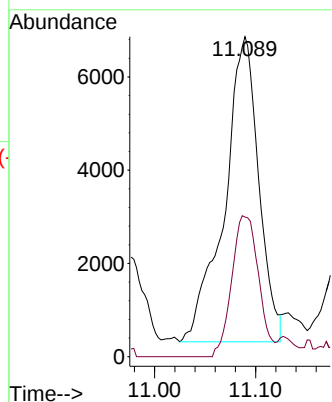
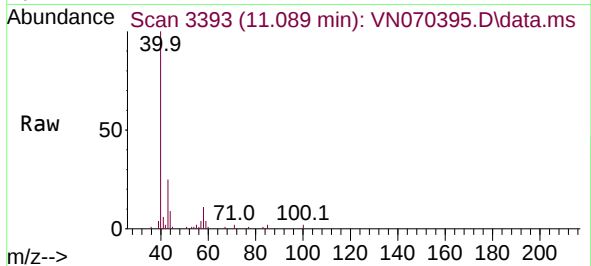




#59
2-Hexanone
Concen: 1.128 ug/l
RT: 11.089 min Scan# 3391
Delta R.T. 0.005 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

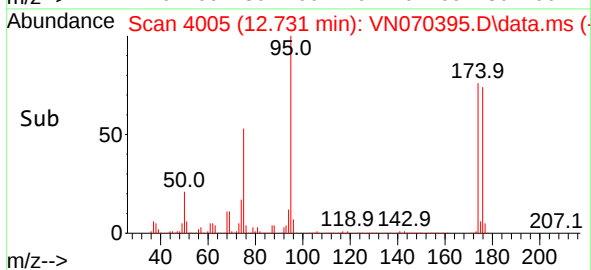
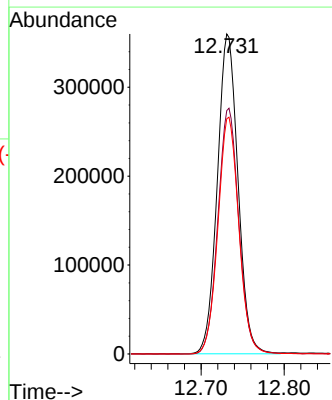
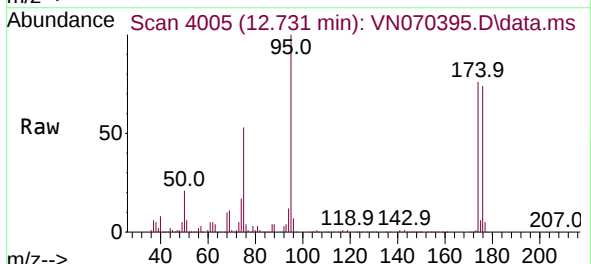
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

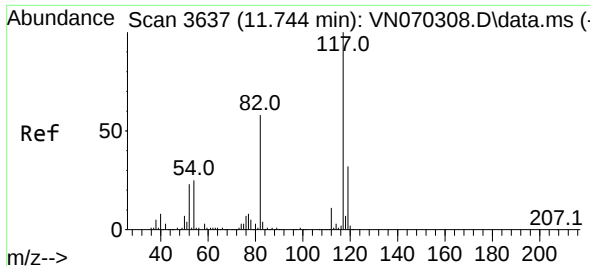
Tgt Ion: 43 Resp: 15456
Ion Ratio Lower Upper
43 100
58 36.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.719 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 95 Resp: 622670
Ion Ratio Lower Upper
95 100
174 77.8 0.0 187.2
176 74.8 0.0 181.4

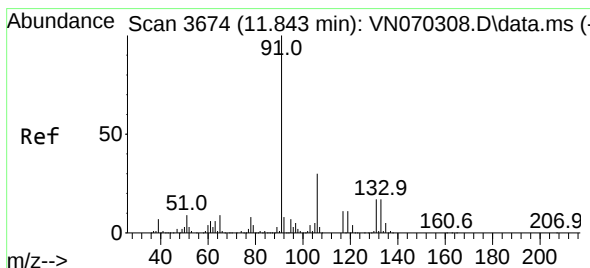
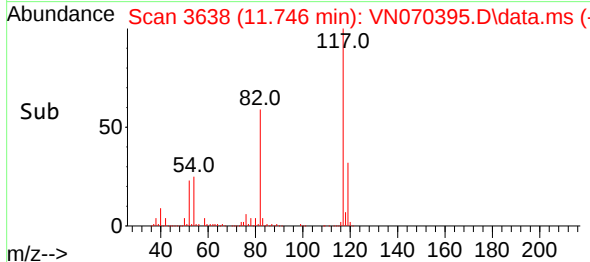
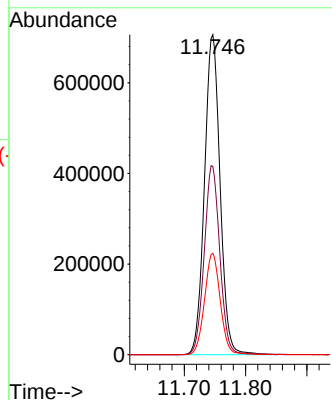
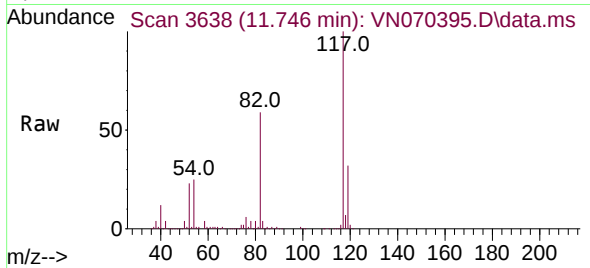




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3637
Delta R.T. 0.002 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

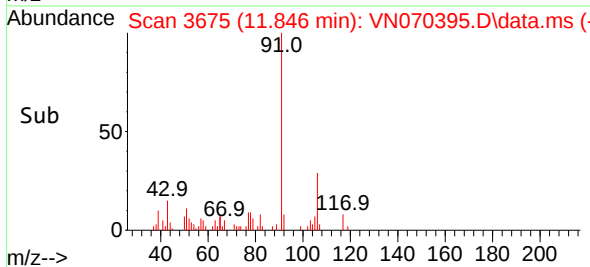
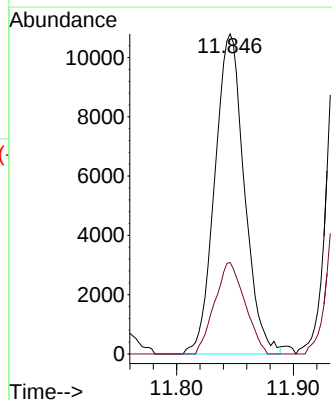
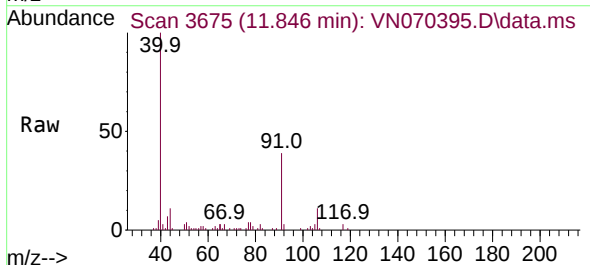
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

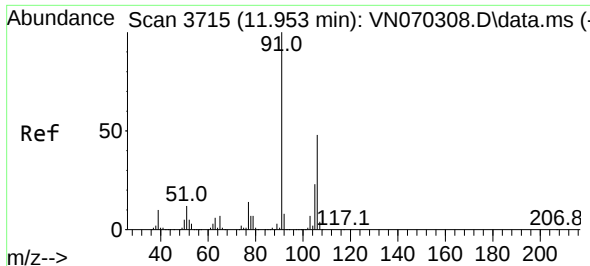
Tgt Ion:117 Resp: 1249237
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.7 25.4 38.2



#67
Ethyl Benzene
Concen: 0.391 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 91 Resp: 18985
Ion Ratio Lower Upper
91 100
106 28.6 25.7 38.5

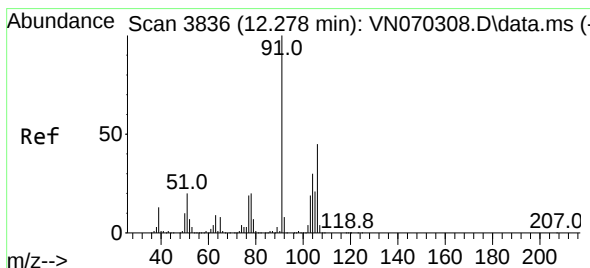
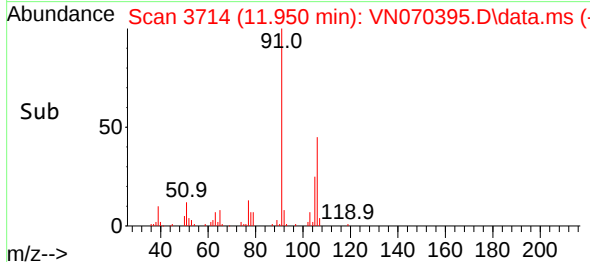
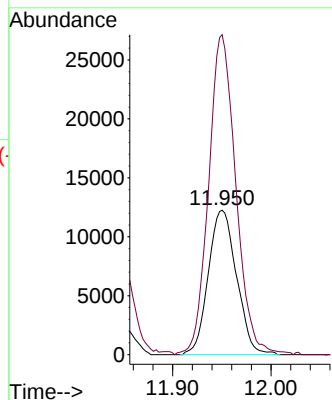
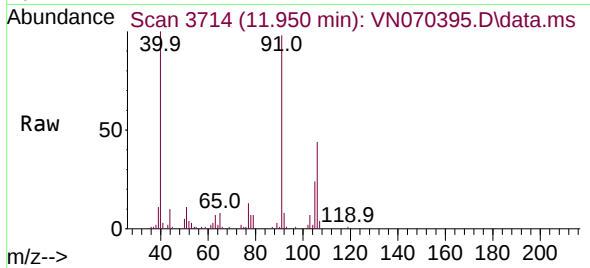




#68
m/p-Xylenes
Concen: 1.387 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

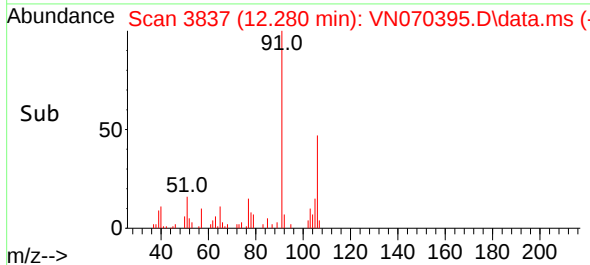
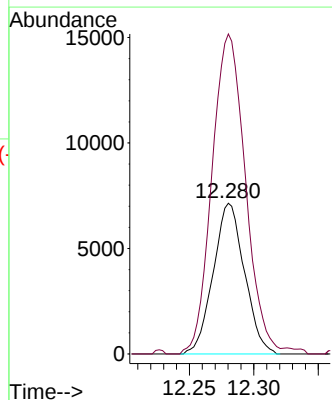
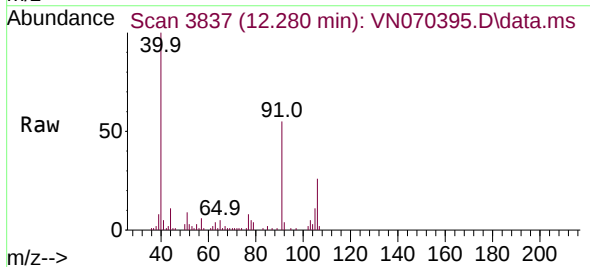
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

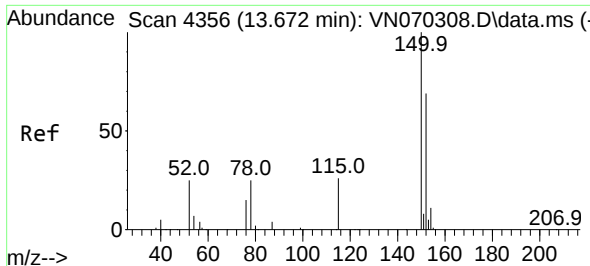
Tgt Ion:106 Resp: 24515
Ion Ratio Lower Upper
106 100
91 213.7 160.6 240.8



#69
o-Xylene
Concen: 0.684 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion:106 Resp: 12035
Ion Ratio Lower Upper
106 100
91 228.9 105.8 317.3

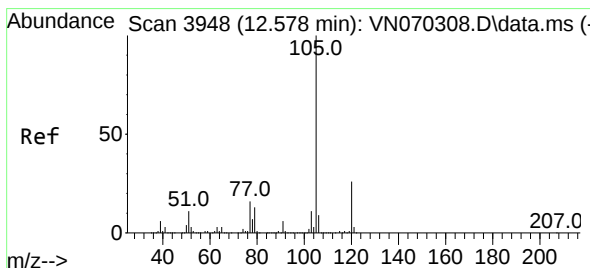
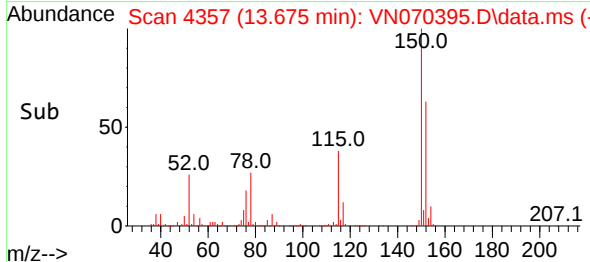
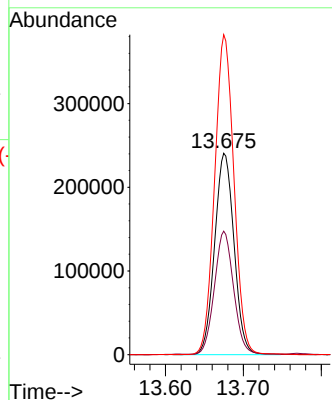
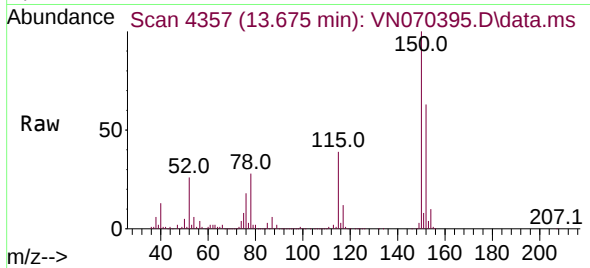




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070395.D
 Acq: 30 Dec 2021 13:25

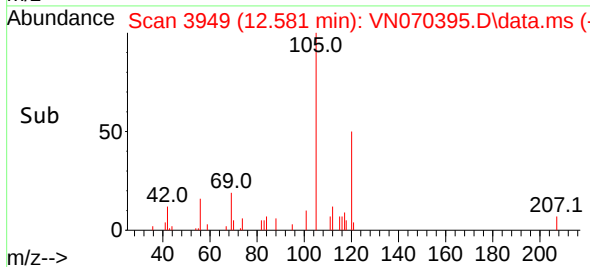
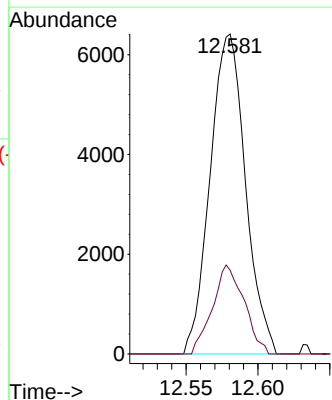
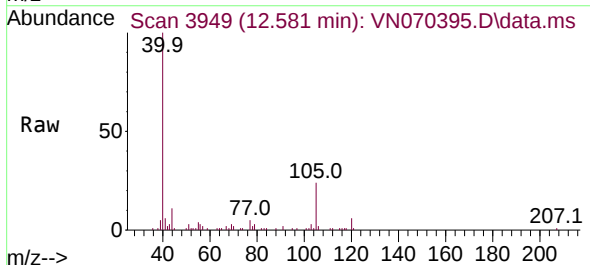
Instrument :
 MSVOA_N
 ClientSampleId :
 N48854-VOC

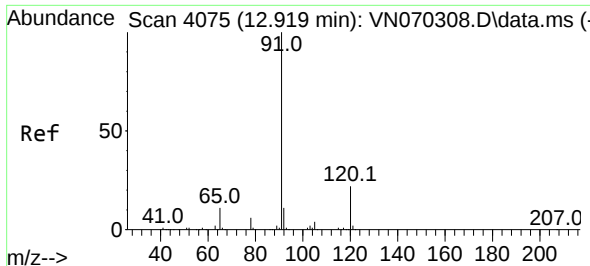
Tgt Ion:152 Resp: 415924
 Ion Ratio Lower Upper
 152 100
 115 60.2 27.5 82.5
 150 158.2 0.0 344.4



#73
 Isopropylbenzene
 Concen: 0.284 ug/l
 RT: 12.581 min Scan# 3949
 Delta R.T. 0.003 min
 Lab File: VN070395.D
 Acq: 30 Dec 2021 13:25

Tgt Ion:105 Resp: 10955
 Ion Ratio Lower Upper
 105 100
 120 24.8 13.4 40.1

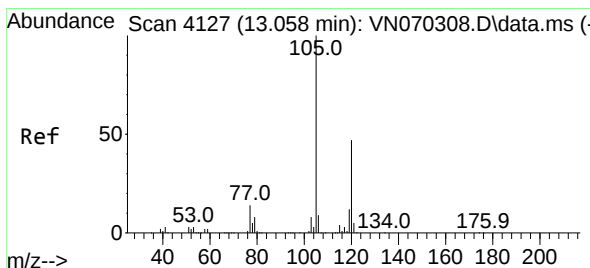
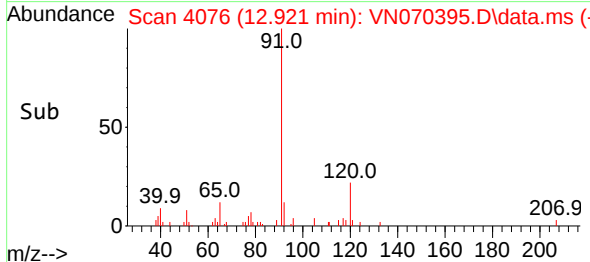
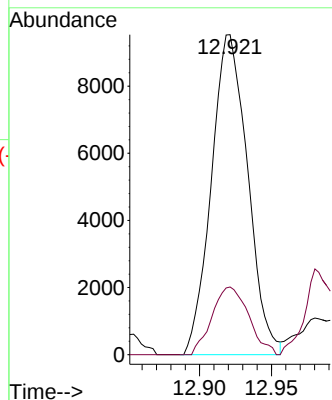
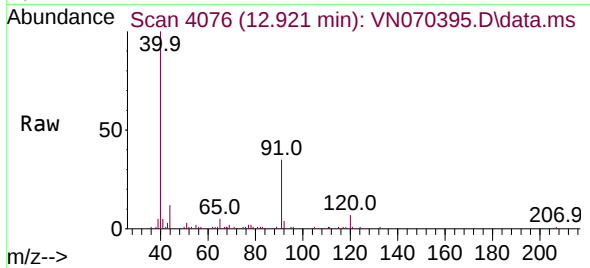




#78
n-propylbenzene
Concen: 0.391 ug/l
RT: 12.921 min Scan# 4075
Delta R.T. 0.002 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

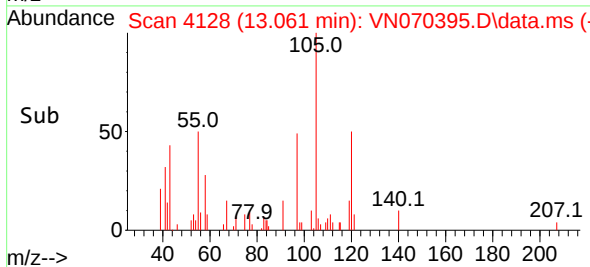
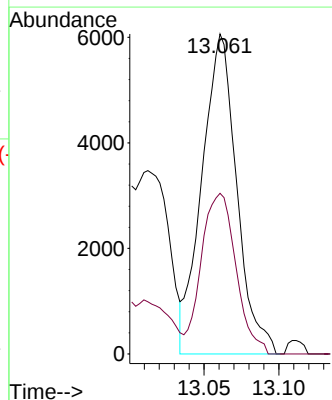
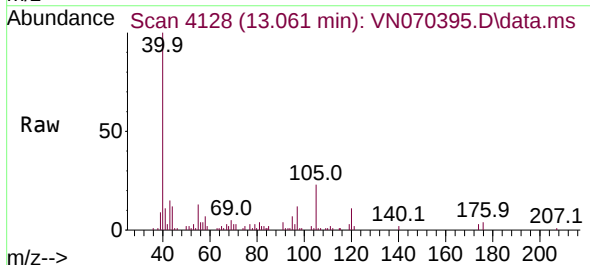
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

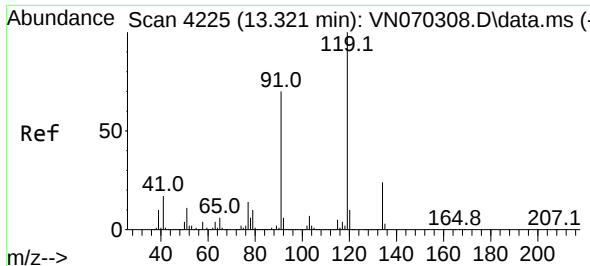
Tgt Ion: 91 Resp: 16751
Ion Ratio Lower Upper
91 100
120 21.3 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.317 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion: 105 Resp: 9820
Ion Ratio Lower Upper
105 100
120 49.8 24.6 73.6

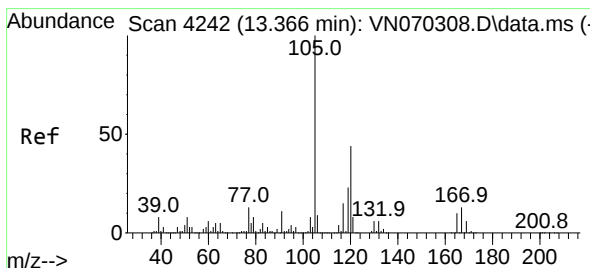
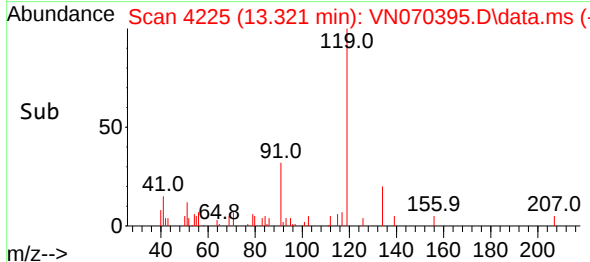
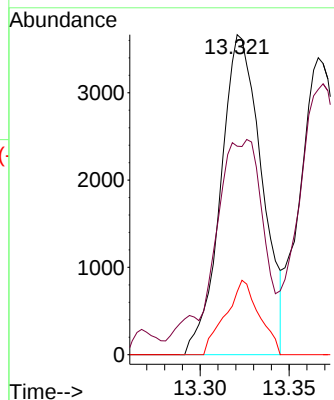
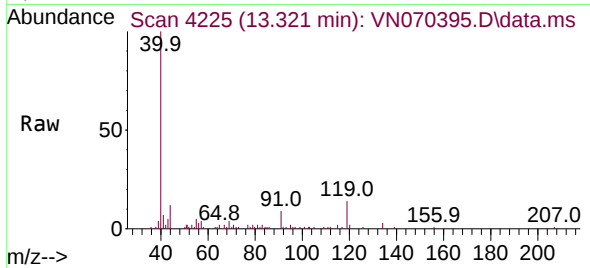




#83
tert-Butylbenzene
Concen: 0.216 ug/l
RT: 13.321 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

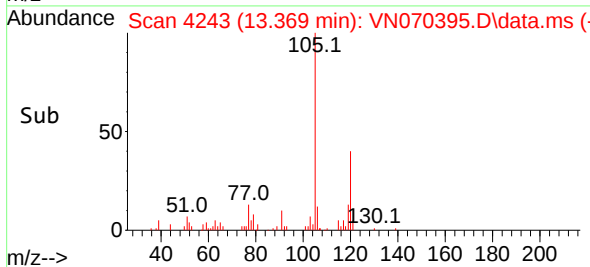
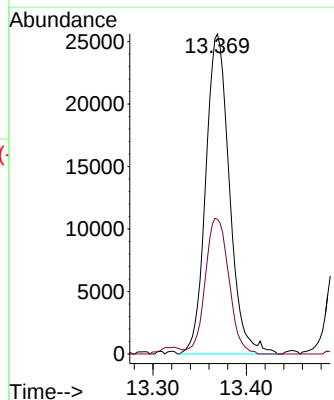
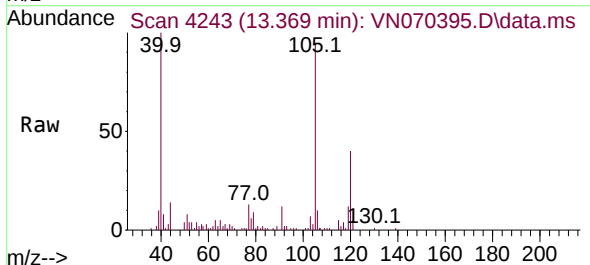
Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

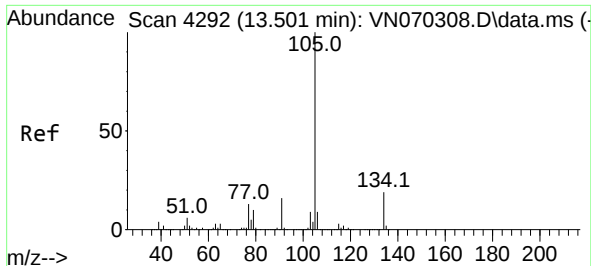
Tgt Ion:119	Resp:	5881
Ion	Ratio	Lower Upper
119	100	
91	66.4	31.5 94.5
134	19.1	12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 1.515 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion:105	Resp:	45148
Ion	Ratio	Lower Upper
105	100	
120	42.2	22.8 68.4

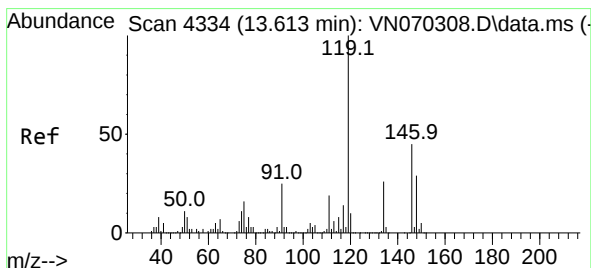
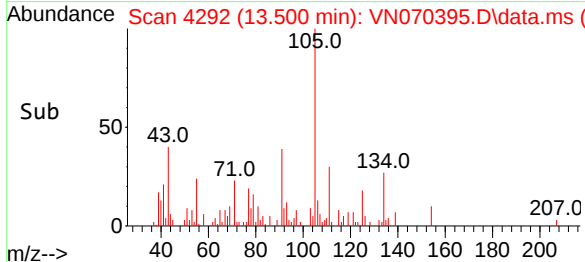
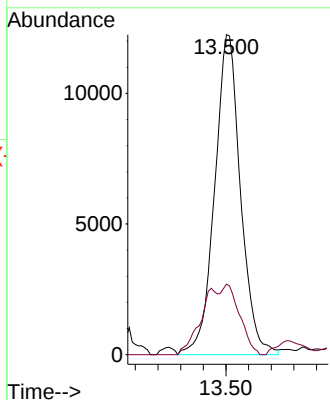
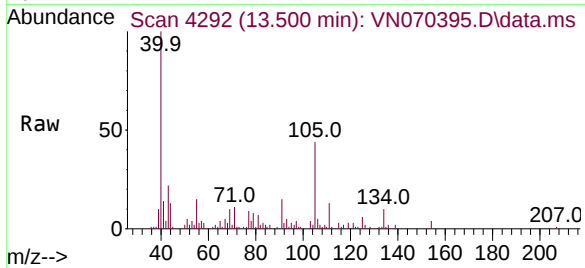




#85
 sec-Butylbenzene
 Concen: 0.525 ug/l
 RT: 13.500 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: VN070395.D
 Acq: 30 Dec 2021 13:25

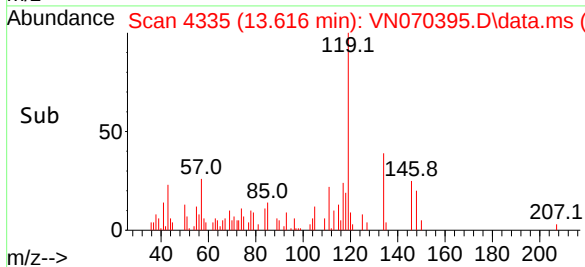
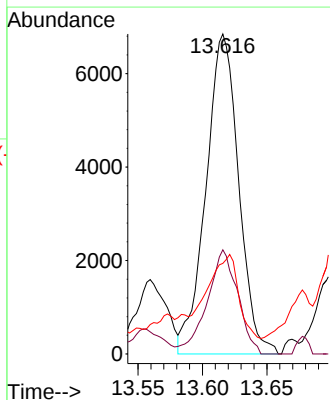
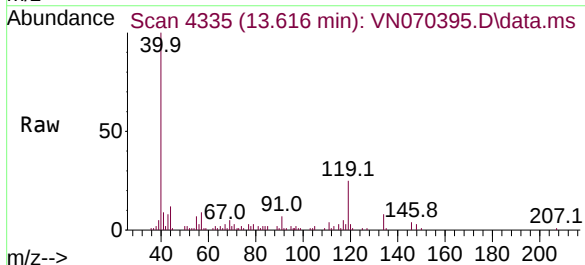
Instrument :
 MSVOA_N
 ClientSampleId :
 N48854-VOC

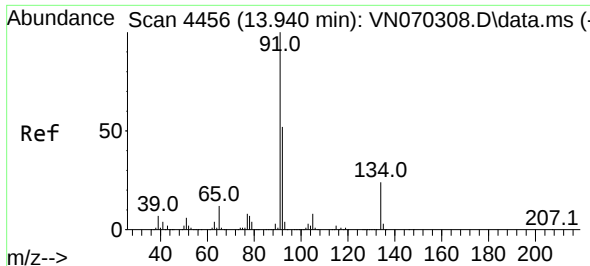
Tgt Ion:105 Resp: 19417
 Ion Ratio Lower Upper
 105 100
 134 14.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.416 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.003 min
 Lab File: VN070395.D
 Acq: 30 Dec 2021 13:25

Tgt Ion:119 Resp: 12100
 Ion Ratio Lower Upper
 119 100
 134 30.3 13.6 40.7
 91 24.4 11.4 34.1

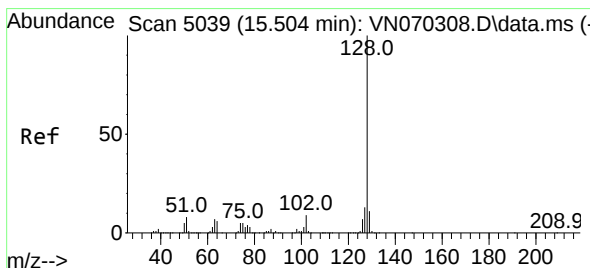
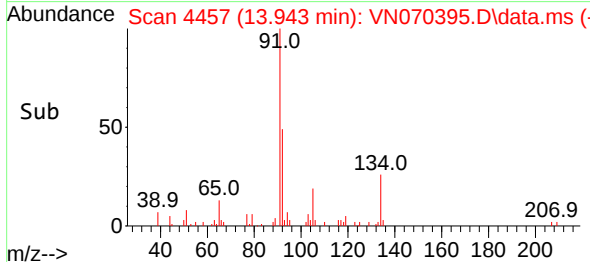
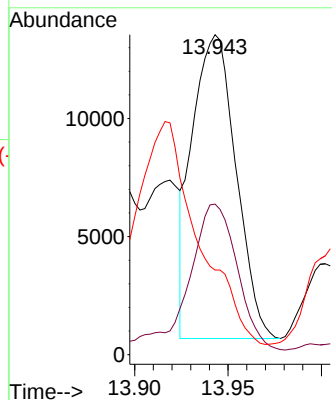
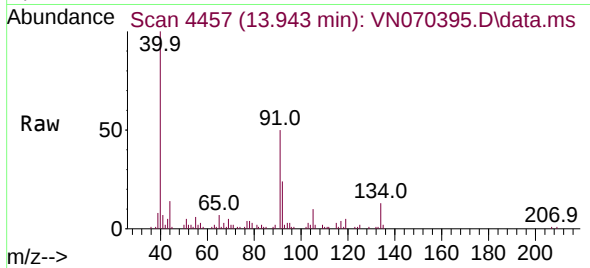




#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

Tgt Ion: 91 Resp: 20898
Ion Ratio Lower Upper
91 100
92 53.0 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 79.299 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070395.D
Acq: 30 Dec 2021 13:25

Tgt Ion:128 Resp: 1523467
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.5 8.7 13.1

