

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075536.D
 Acq On : 02 Dec 2022 16:53
 Operator : JC\MD
 Sample : N5836-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JAM-VRG-1201

Quant Time: Dec 03 00:35:03 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)

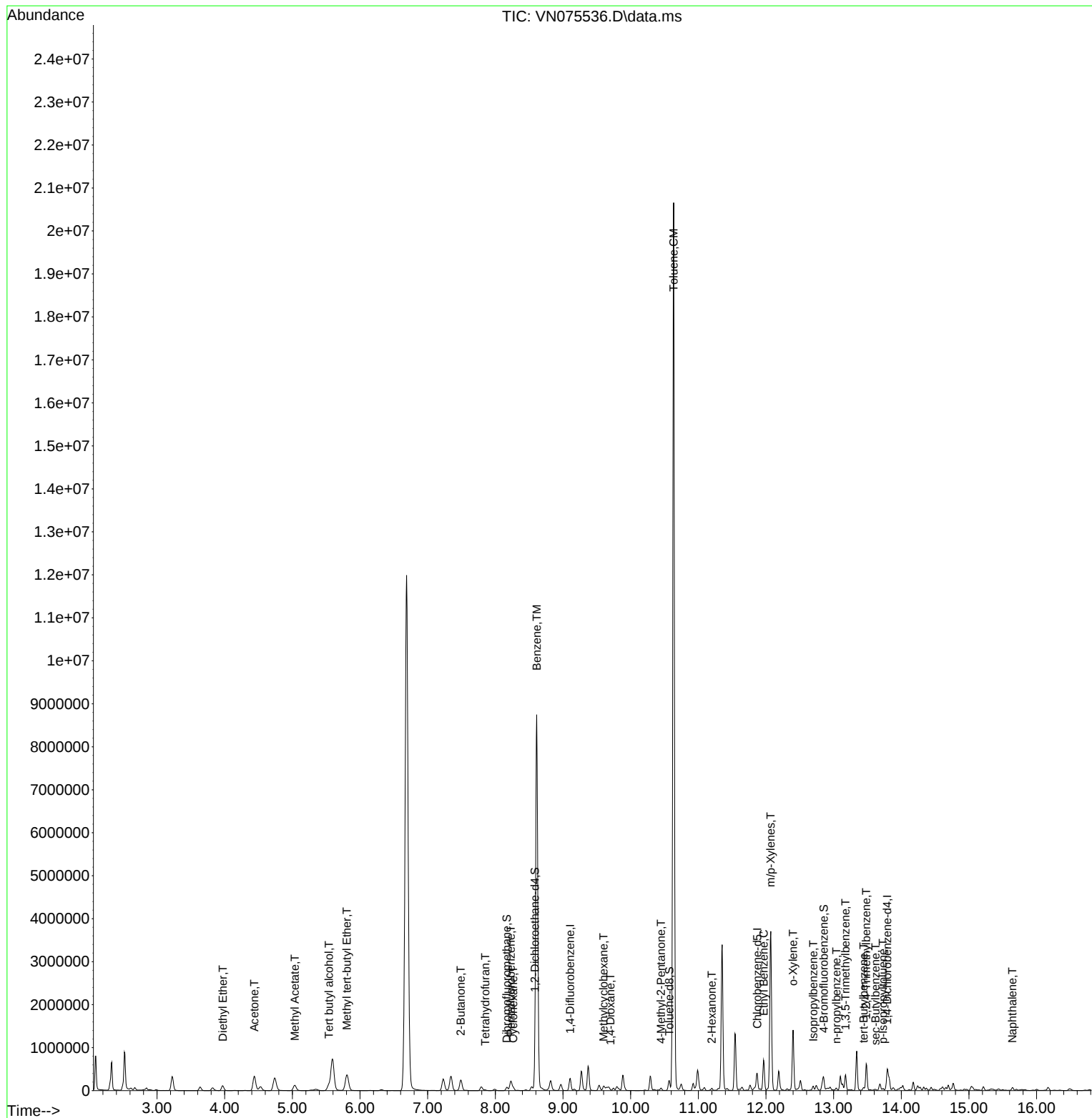
Internal Standards						
1) Pentafluorobenzene	8.230	168	160793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	248917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	47184	54.667	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.340%			
35) Dibromofluoromethane	8.171	113	55388	53.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.640%			
50) Toluene-d8	10.571	98	122634	52.420	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.840%			
62) 4-Bromofluorobenzene	12.853	95	97893	56.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.380%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.971	74	78030	80.825	ug/l	95
11) Tert butyl alcohol	5.542	59	352585	973.114	ug/l #	94
16) Acetone	4.436	43	600984	746.495	ug/l	94
18) Methyl Acetate	5.036	43	248950	124.592	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	634968	120.377	ug/l	96
25) 2-Butanone	7.488	43	374405	333.105	ug/l	98
29) Tetrahydrofuran	7.853	42	11783	17.235	ug/l	93
31) Cyclohexane	8.265	56	41098	14.987	ug/l	93
39) Methylcyclohexane	9.600	83	49562	17.483	ug/l	92
40) Benzene	8.612	78	8907559	1284.397	ug/l	100
49) 1,4-Dioxane	9.700	88	9594	223.194	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	40207	19.282	ug/l	100
52) Toluene	10.635	92	8823593	1974.346	ug/l	97
59) 2-Hexanone	11.200	43	32522	20.771	ug/l	75
67) Ethyl Benzene	11.965	91	527237	60.118	ug/l	100
68) m/p-Xylenes	12.071	106	1205281	338.426	ug/l	99
69) o-Xylene	12.400	106	407600	115.189	ug/l	99
73) Isopropylbenzene	12.700	105	65967	7.073	ug/l	97
78) n-propylbenzene	13.041	91	41561	3.993	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	211125	27.248	ug/l	100
83) tert-Butylbenzene	13.441	119	12507	1.770	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	368772	47.450	ug/l	99
85) sec-Butylbenzene	13.617	105	13246	1.382	ug/l #	73
86) p-Isopropyltoluene	13.729	119	21043	2.609	ug/l	95
95) Naphthalene	15.641	128	48982	7.145	ug/l	99

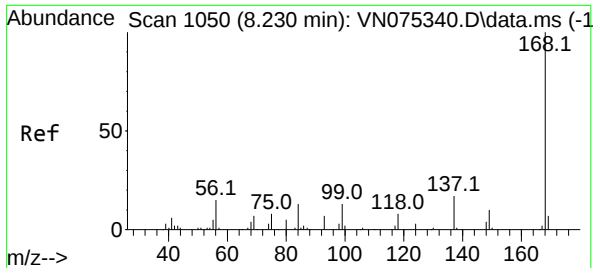
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

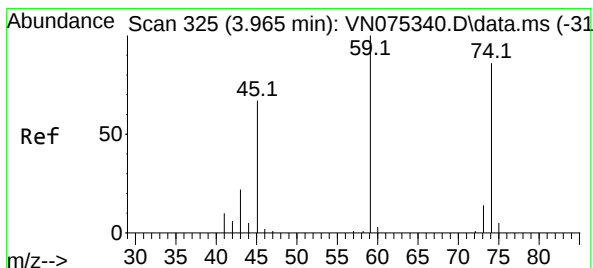
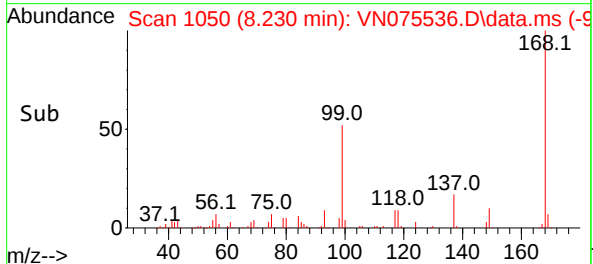
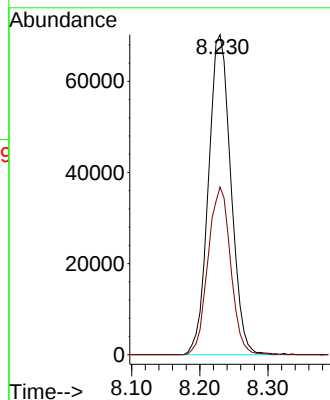
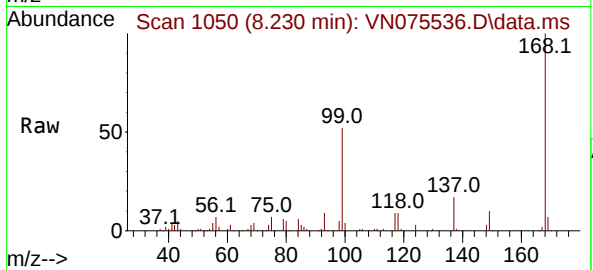




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

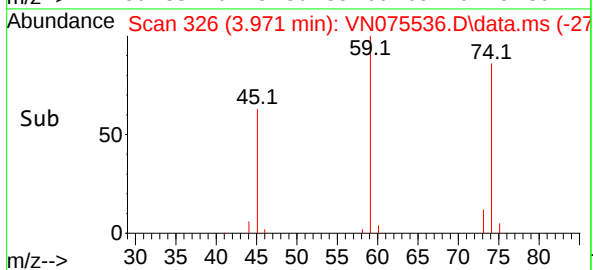
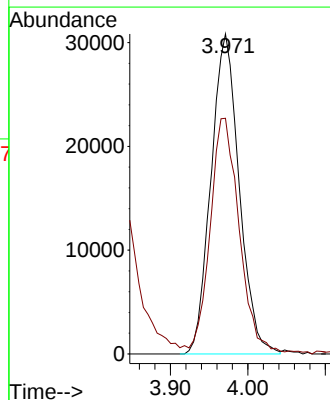
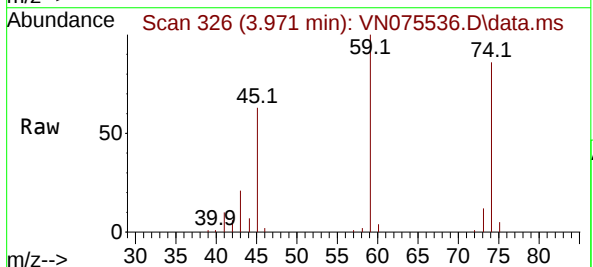
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

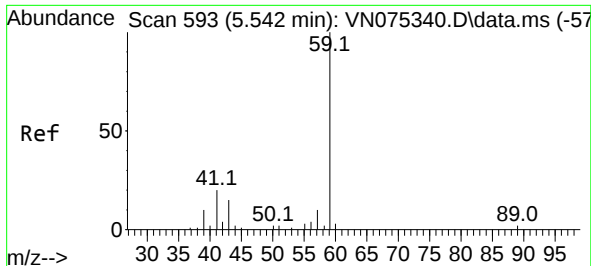
Tgt Ion:168 Resp: 160793
Ion Ratio Lower Upper
168 100
99 52.3 51.6 77.4



#8
Diethyl Ether
Concen: 80.825 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 74 Resp: 78030
Ion Ratio Lower Upper
74 100
45 74.3 39.3 117.9

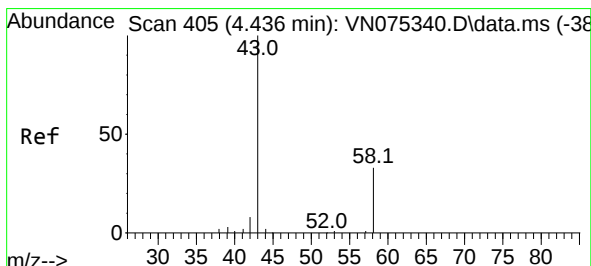
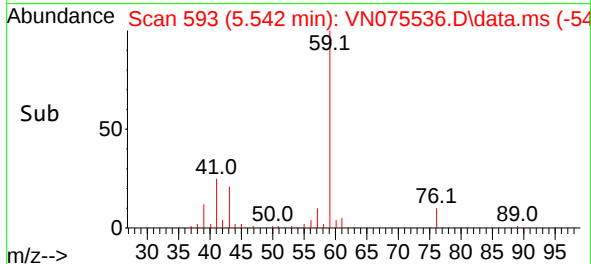
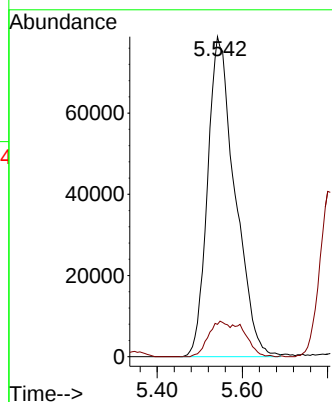
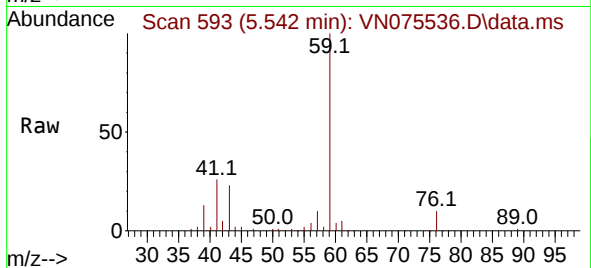




#11
Tert butyl alcohol
Concen: 973.114 ug/l
RT: 5.542 min Scan# 593
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

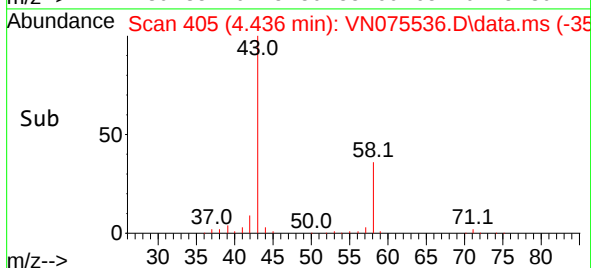
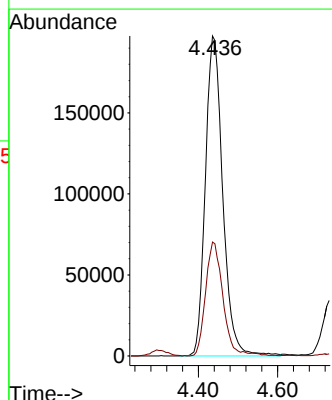
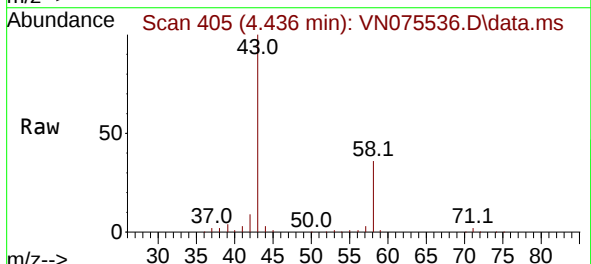
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

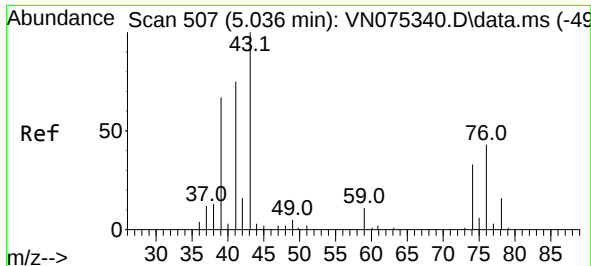
Tgt Ion: 59 Resp: 352585
Ion Ratio Lower Upper
59 100
57 8.3 8.5 12.7#



#16
Acetone
Concen: 746.495 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 43 Resp: 600984
Ion Ratio Lower Upper
43 100
58 35.5 25.5 38.3

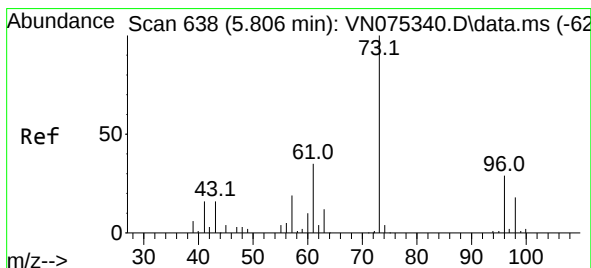
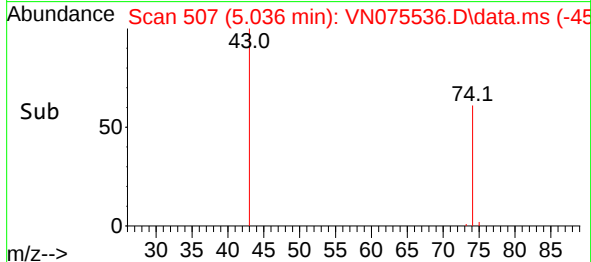
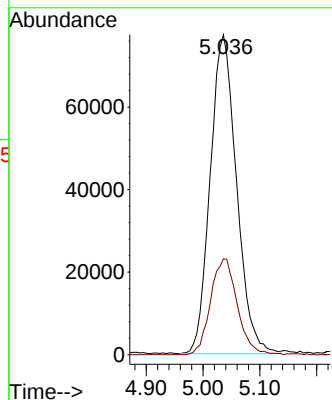
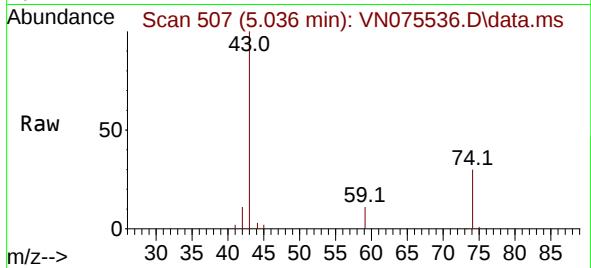




#18
Methyl Acetate
Concen: 124.592 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

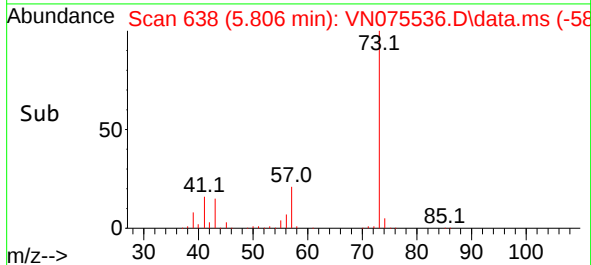
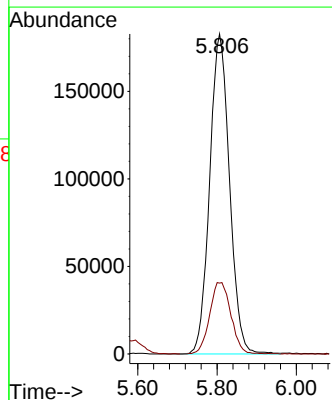
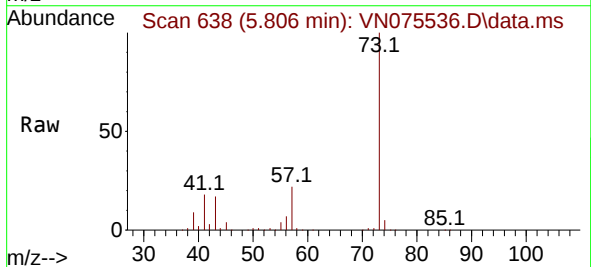
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

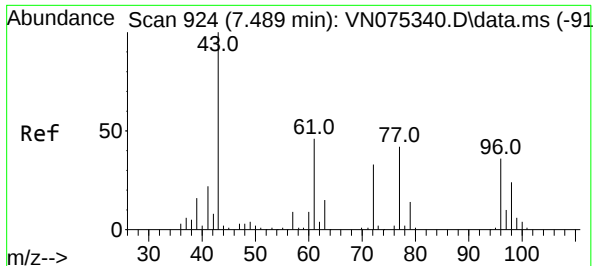
Tgt Ion: 43 Resp: 248950
Ion Ratio Lower Upper
43 100
74 30.4 22.0 33.0



#19
Methyl tert-butyl Ether
Concen: 120.377 ug/l
RT: 5.806 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 73 Resp: 634968
Ion Ratio Lower Upper
73 100
57 22.1 16.3 24.5





#25

2-Butanone

Concen: 333.105 ug/l

RT: 7.488 min Scan# 91

Delta R.T. -0.001 min

Lab File: VN075536.D

Acq: 02 Dec 2022 16:53

Instrument :

MSVOA_N

ClientSampleId :

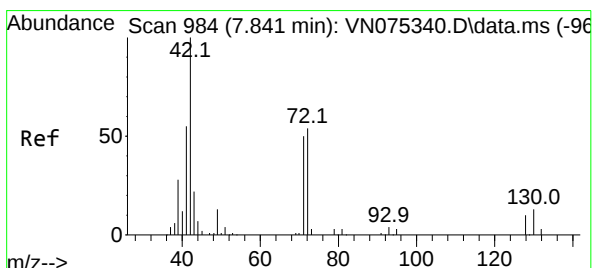
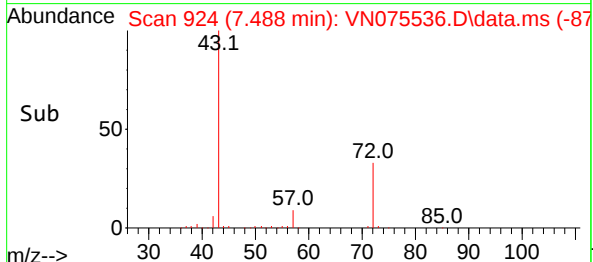
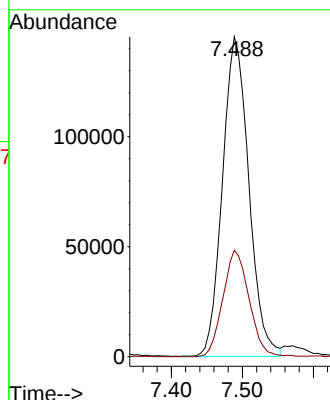
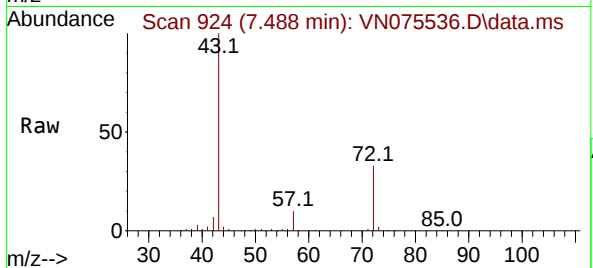
JAM-VRG-1201

Tgt Ion: 43 Resp: 374405

Ion Ratio Lower Upper

43 100

72 33.3 25.5 38.3



#29

Tetrahydrofuran

Concen: 17.235 ug/l

RT: 7.853 min Scan# 986

Delta R.T. 0.012 min

Lab File: VN075536.D

Acq: 02 Dec 2022 16:53

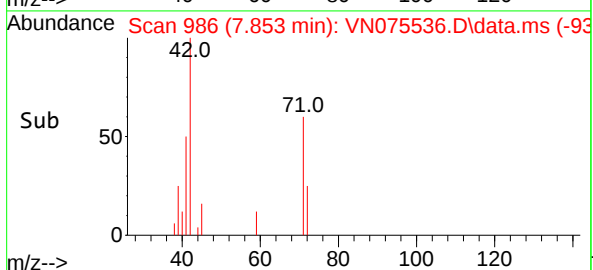
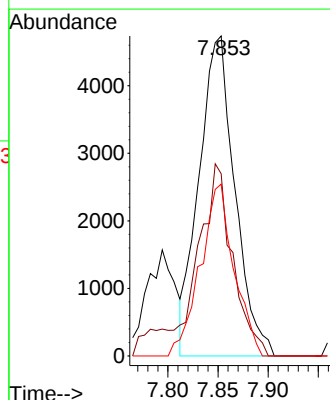
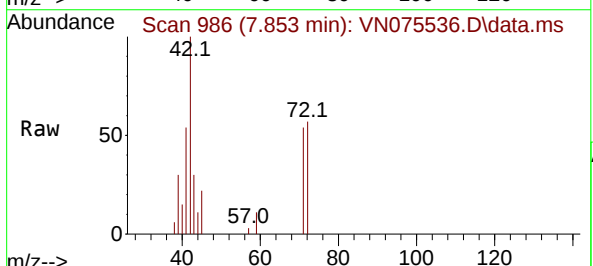
Tgt Ion: 42 Resp: 11783

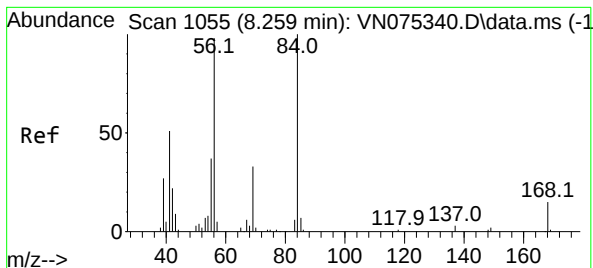
Ion Ratio Lower Upper

42 100

72 63.4 43.0 64.6

71 50.4 39.9 59.9





#31

Cyclohexane

Concen: 14.987 ug/l

RT: 8.265 min Scan# 11056

Delta R.T. 0.006 min

Lab File: VN075536.D

Acq: 02 Dec 2022 16:53

Instrument :

MSVOA_N

ClientSampleId :

JAM-VRG-1201

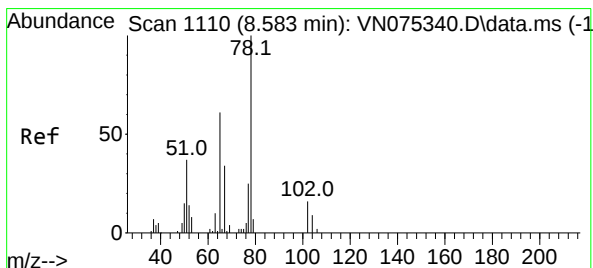
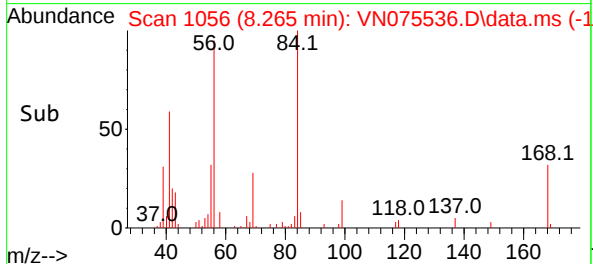
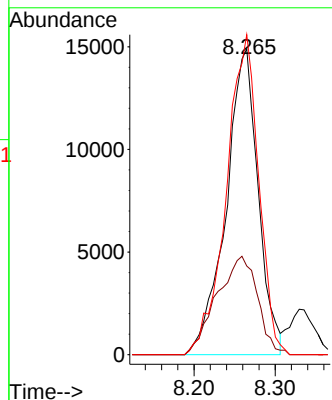
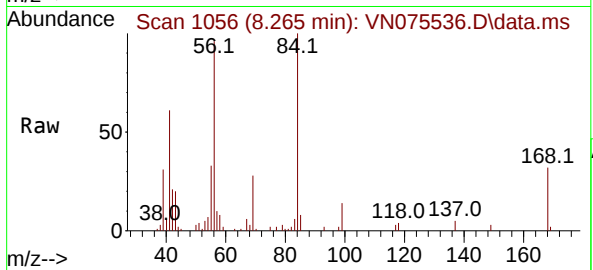
Tgt Ion: 56 Resp: 41098

Ion Ratio Lower Upper

56 100

69 29.0 25.2 37.8

84 104.7 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 54.667 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075536.D

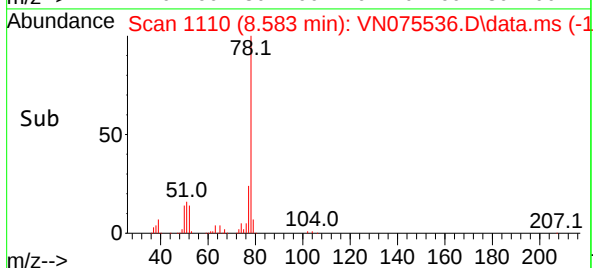
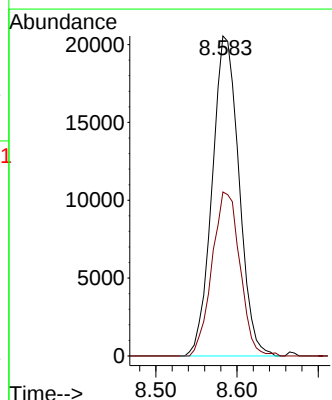
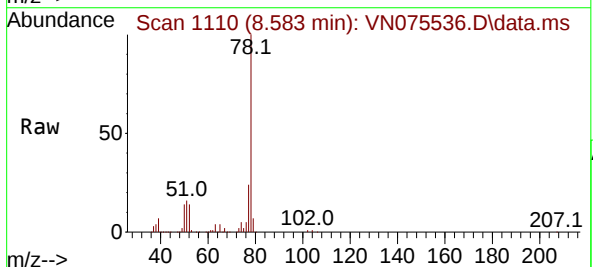
Acq: 02 Dec 2022 16:53

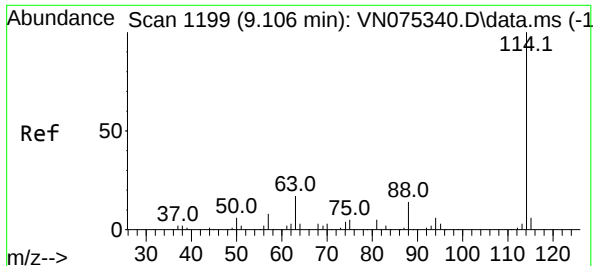
Tgt Ion: 65 Resp: 47184

Ion Ratio Lower Upper

65 100

67 53.2 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: VN075536.D

Acq: 02 Dec 2022 16:53

Instrument :

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JAM-VRG-1201

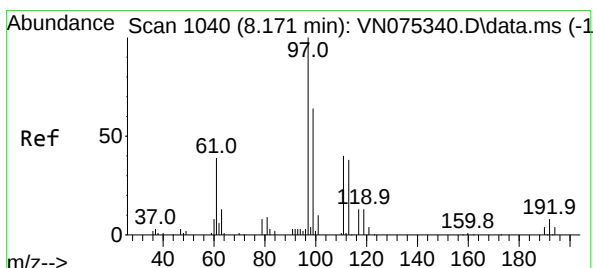
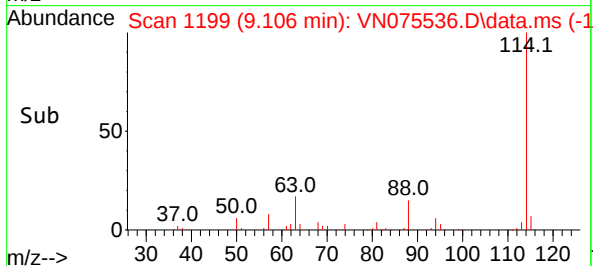
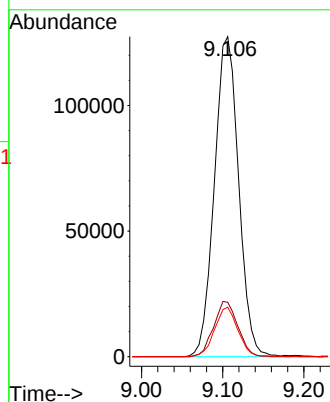
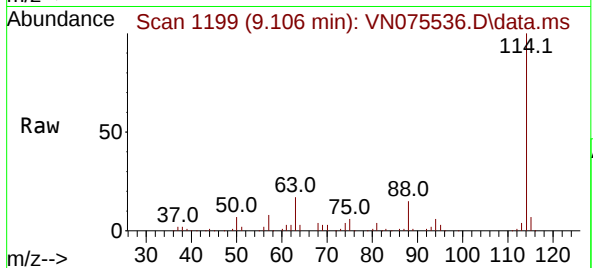
Tgt Ion:114 Resp: 264411

Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.325 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075536.D

Acq: 02 Dec 2022 16:53

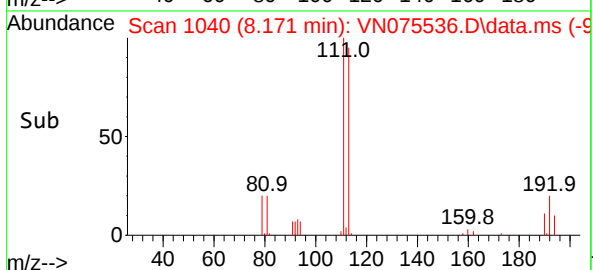
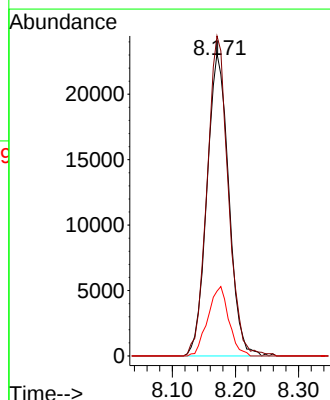
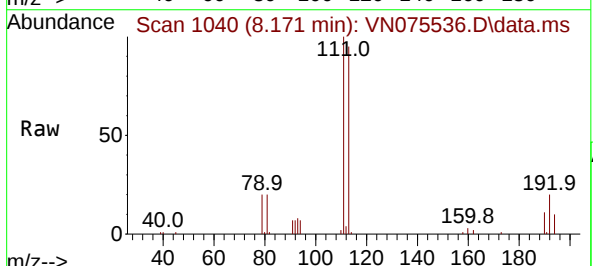
Tgt Ion:113 Resp: 55388

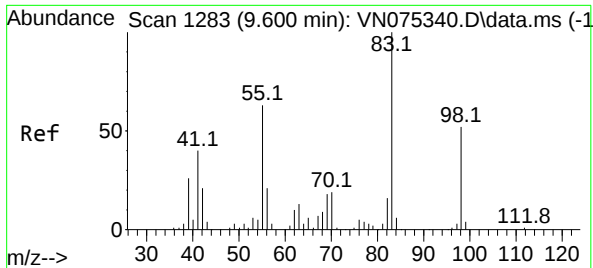
Ion Ratio Lower Upper

113 100

111 102.9 80.5 120.7

192 22.1 13.2 19.8#

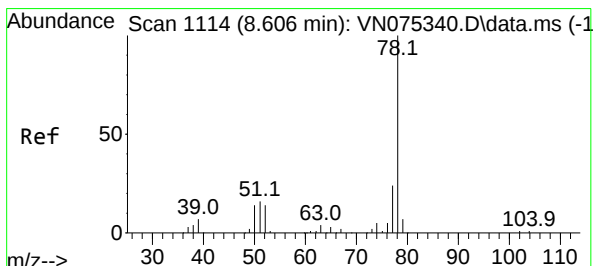
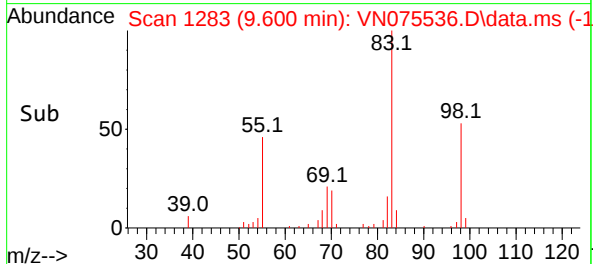
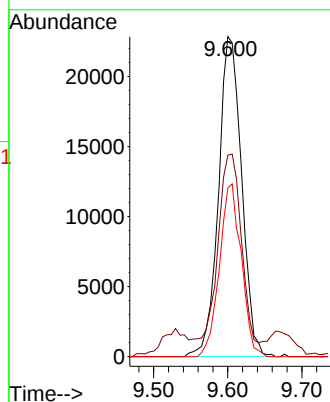
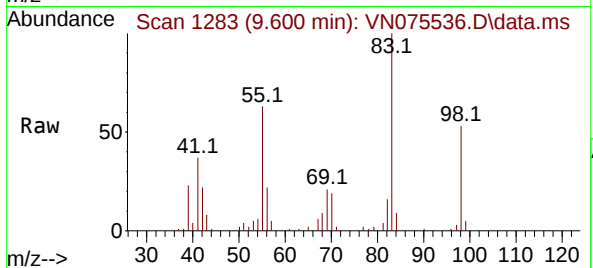




#39
Methylcyclohexane
Concen: 17.483 ug/l
RT: 9.600 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

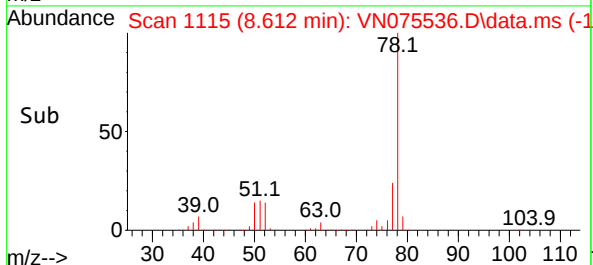
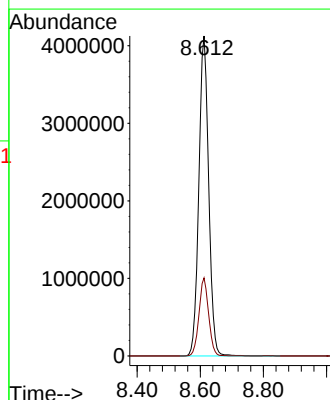
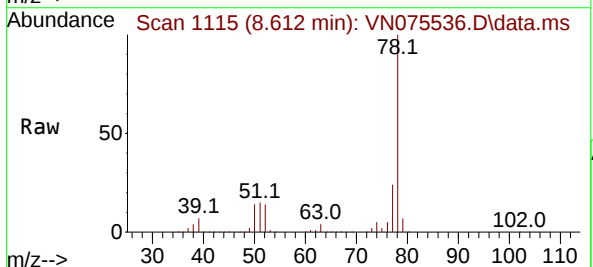
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

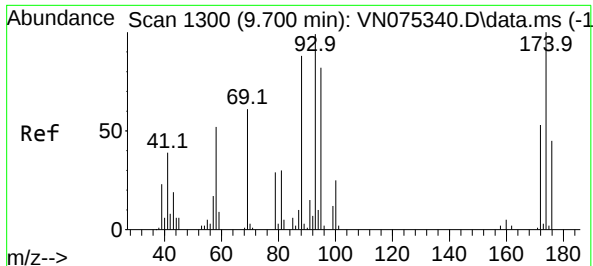
Tgt Ion: 83 Resp: 49562
Ion Ratio Lower Upper
83 100
55 56.2 53.6 80.4
98 52.7 41.1 61.7



#40
Benzene
Concen: 1284.397 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 78 Resp: 8907559
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#49

1,4-Dioxane

Concen: 223.194 ug/l

RT: 9.700 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN075536.D

Acq: 02 Dec 2022 16:53

Instrument :

MSVOA_N

ClientSampleId :

JAM-VRG-1201

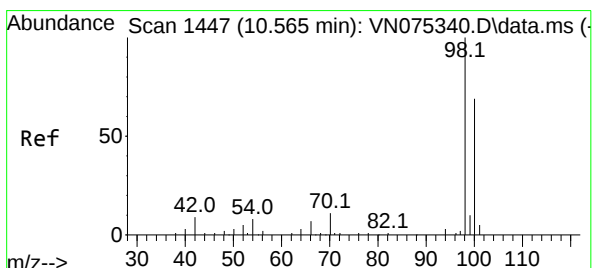
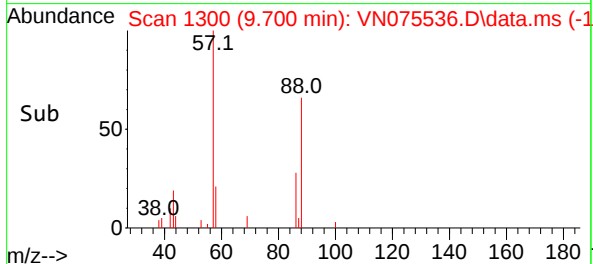
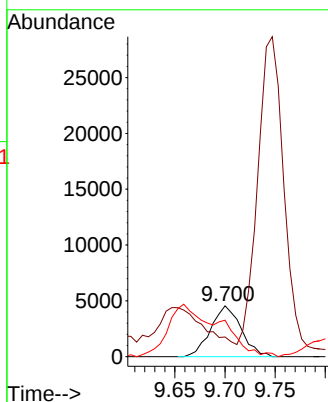
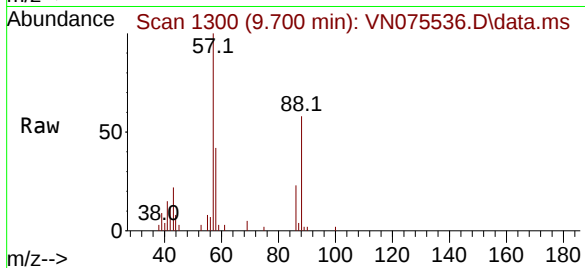
Tgt Ion: 88 Resp: 9594

Ion Ratio Lower Upper

88 100

43 0.0 17.5 26.3#

58 0.0 49.8 74.8#



#50

Toluene-d8

Concen: 52.420 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075536.D

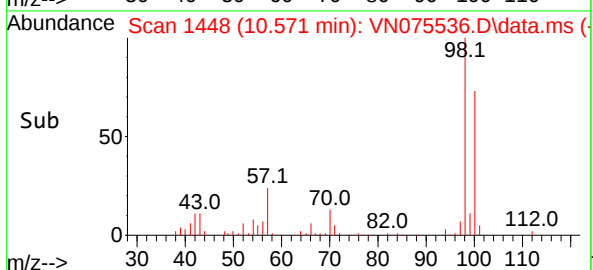
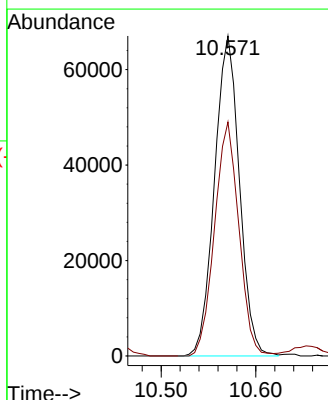
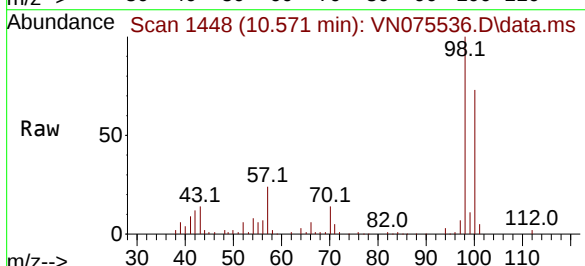
Acq: 02 Dec 2022 16:53

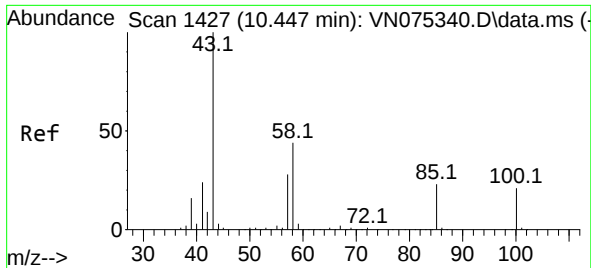
Tgt Ion: 98 Resp: 122634

Ion Ratio Lower Upper

98 100

100 71.4 53.0 79.6

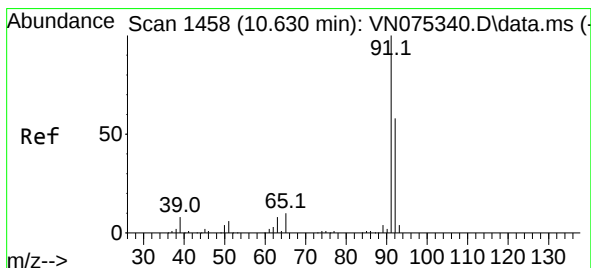
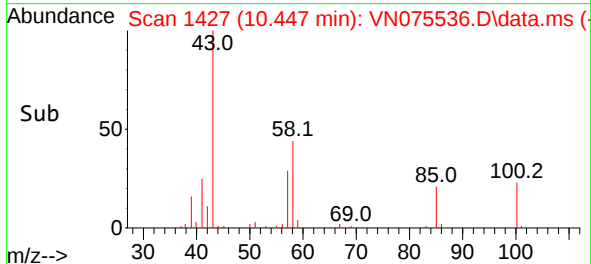
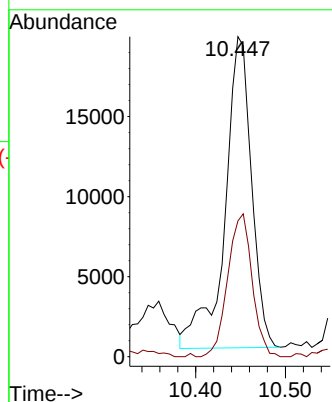
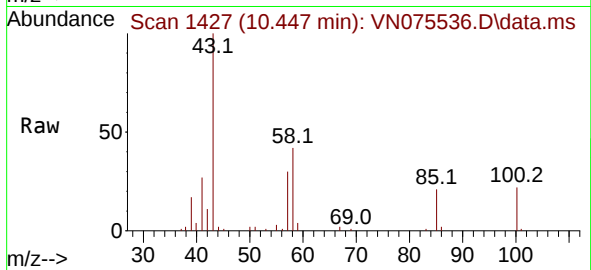




#51
4-Methyl-2-Pentanone
Concen: 19.282 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

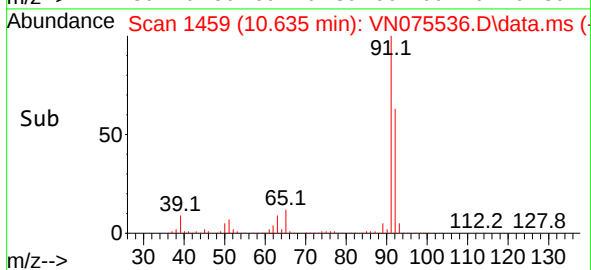
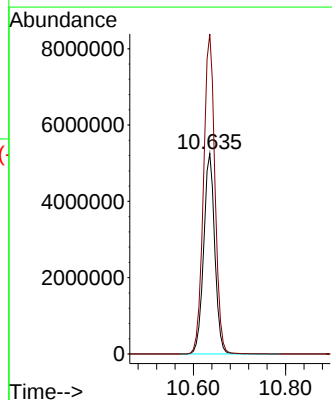
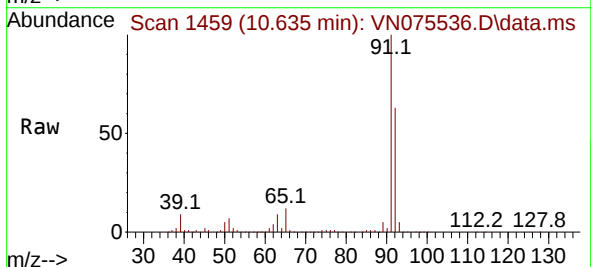
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

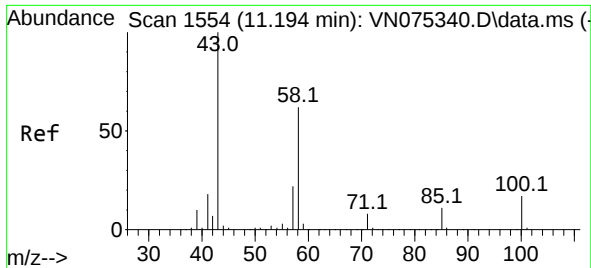
Tgt Ion: 43 Resp: 40207
Ion Ratio Lower Upper
43 100
58 41.8 33.6 50.4



#52
Toluene
Concen: 1974.346 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.005 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 92 Resp: 8823593
Ion Ratio Lower Upper
92 100
91 164.6 135.4 203.2

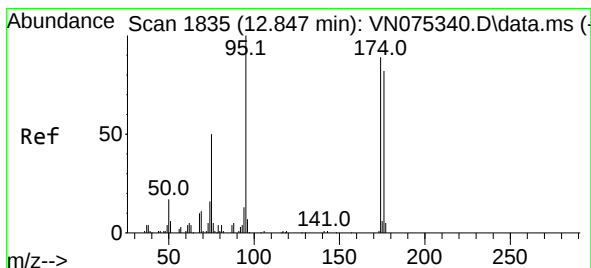
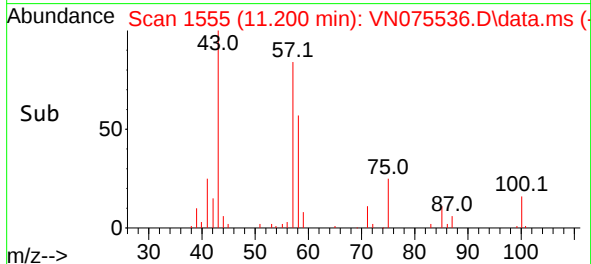
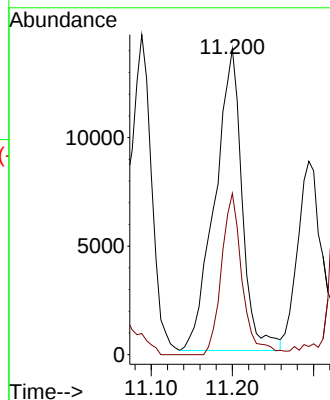
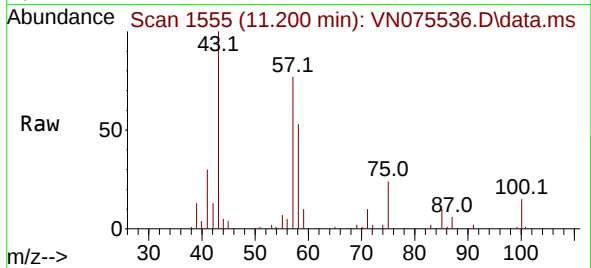




#59
2-Hexanone
Concen: 20.771 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

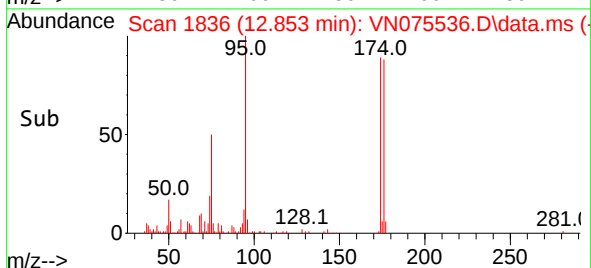
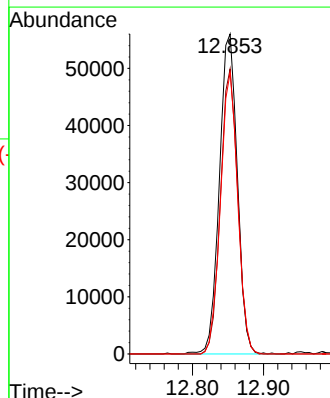
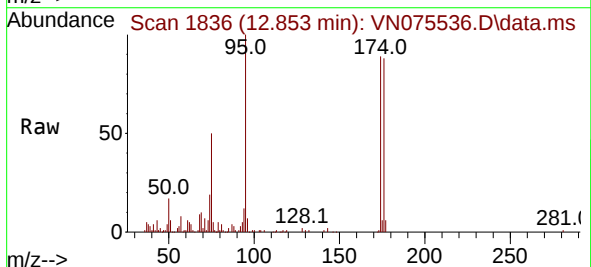
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

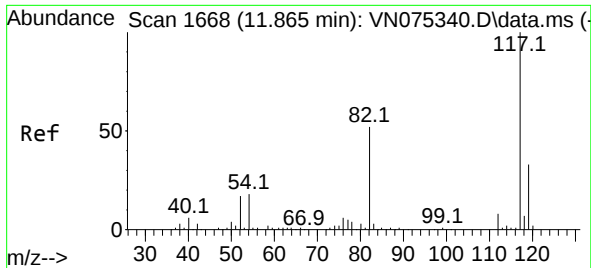
Tgt Ion: 43 Resp: 32522
Ion Ratio Lower Upper
43 100
58 40.4 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 56.692 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 95 Resp: 97893
Ion Ratio Lower Upper
95 100
174 85.4 0.0 147.4
176 84.4 0.0 142.2

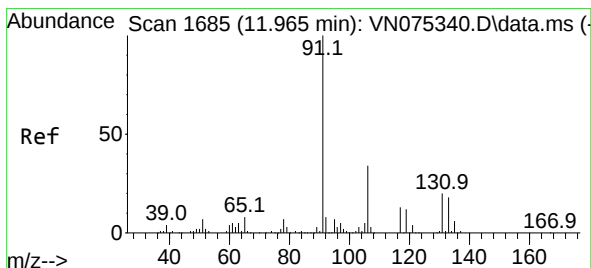
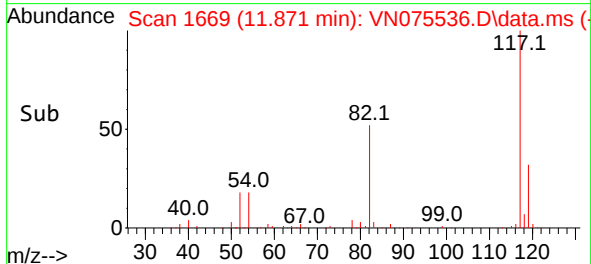
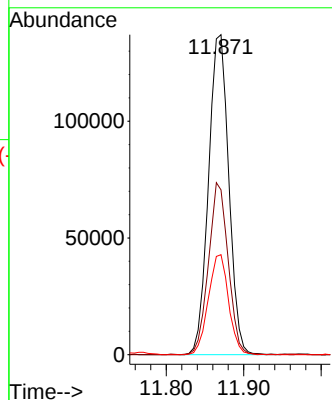
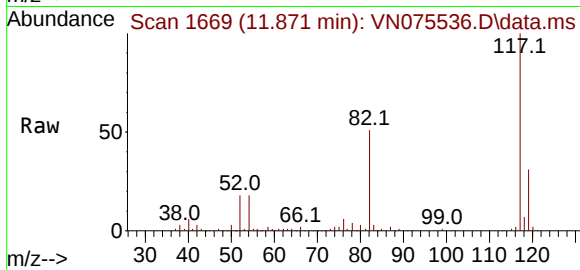




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

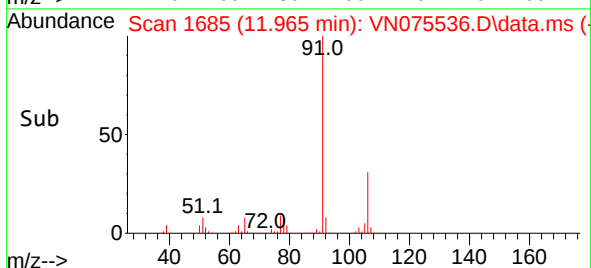
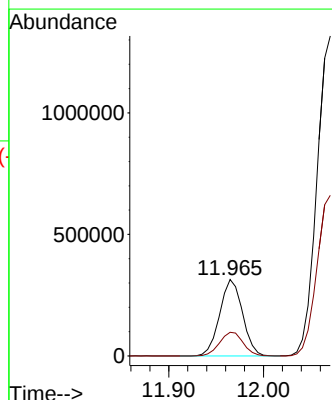
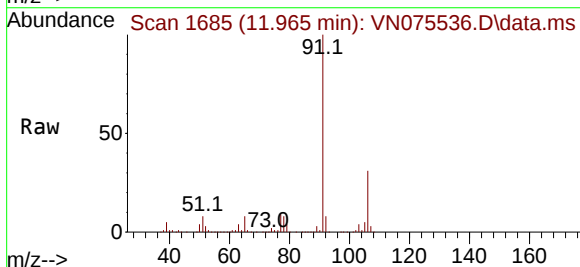
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

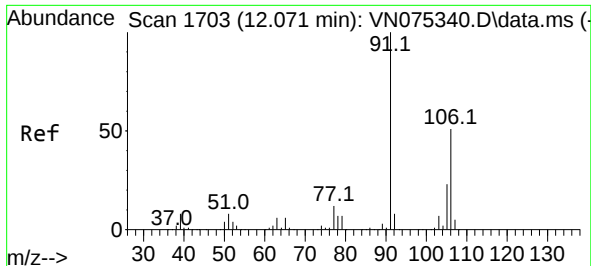
Tgt Ion:117 Resp: 248917
Ion Ratio Lower Upper
117 100
82 51.5 43.1 64.7
119 31.3 25.5 38.3



#67
Ethyl Benzene
Concen: 60.118 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 91 Resp: 527237
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

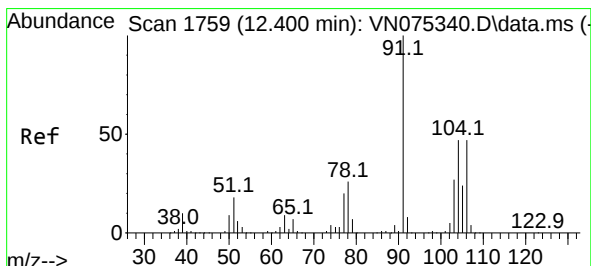
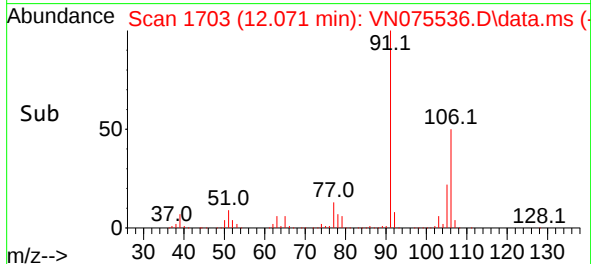
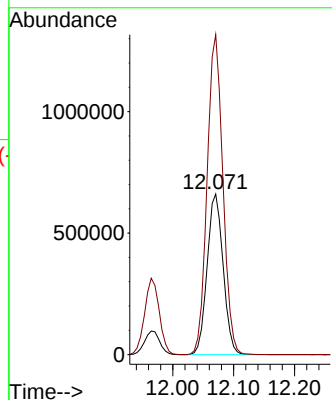
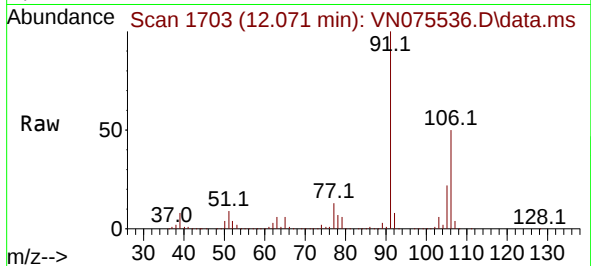




#68
m/p-Xylenes
Concen: 338.426 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

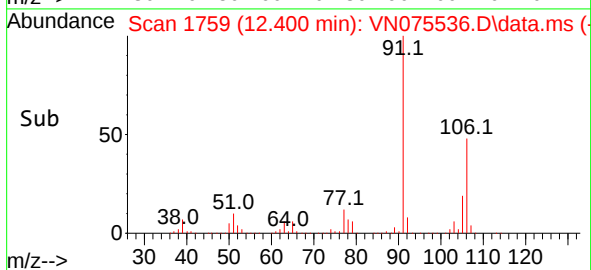
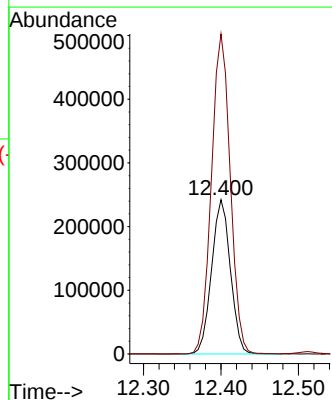
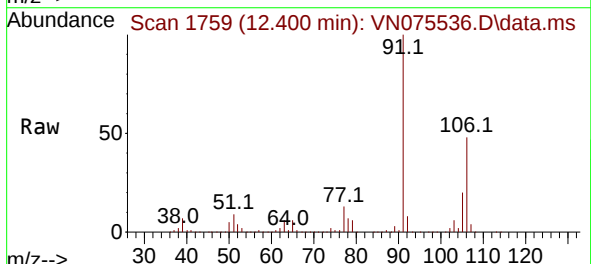
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

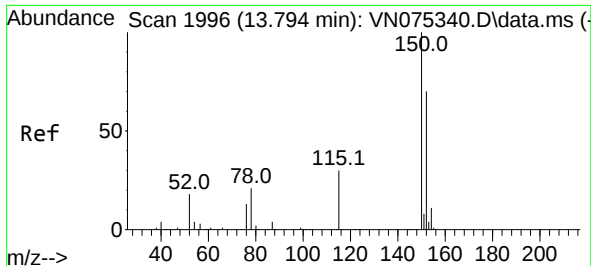
Tgt Ion:106 Resp: 1205281
Ion Ratio Lower Upper
106 100
91 196.1 156.0 234.0



#69
o-Xylene
Concen: 115.189 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion:106 Resp: 407600
Ion Ratio Lower Upper
106 100
91 208.5 105.2 315.5

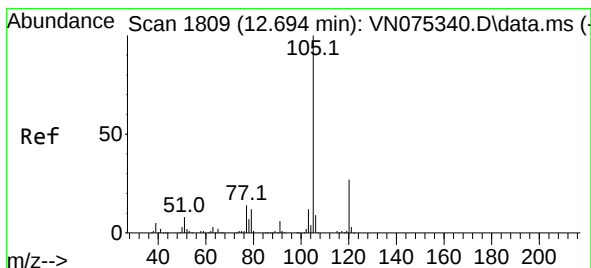
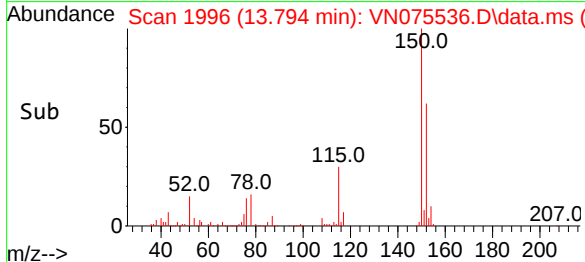
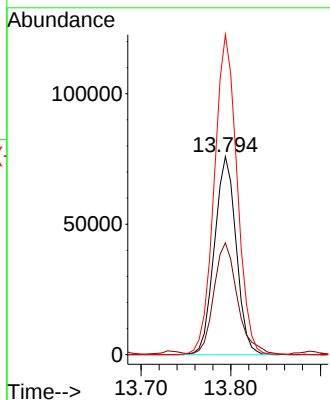
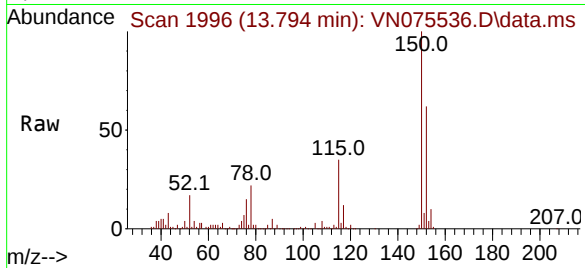




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

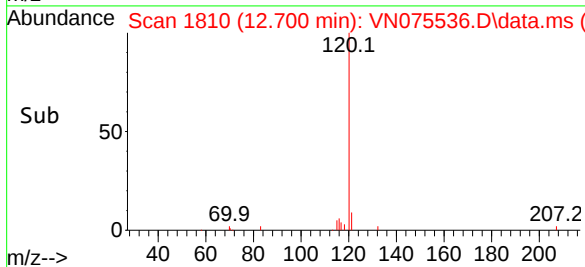
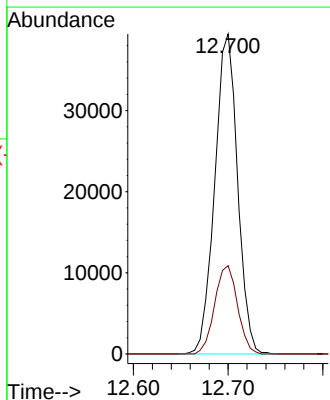
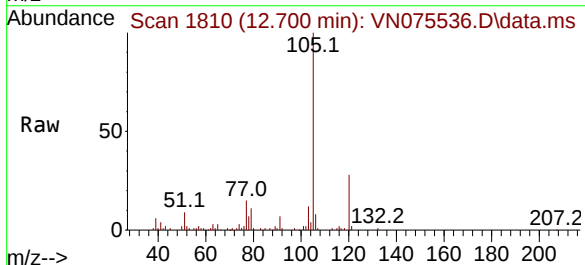
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201

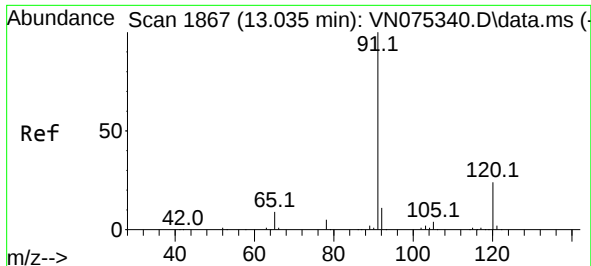
Tgt Ion:152 Resp: 127649
Ion Ratio Lower Upper
152 100
115 61.8 30.2 90.6
150 169.7 0.0 348.4



#73
Isopropylbenzene
Concen: 7.073 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion:105 Resp: 65967
Ion Ratio Lower Upper
105 100
120 27.6 13.1 39.1

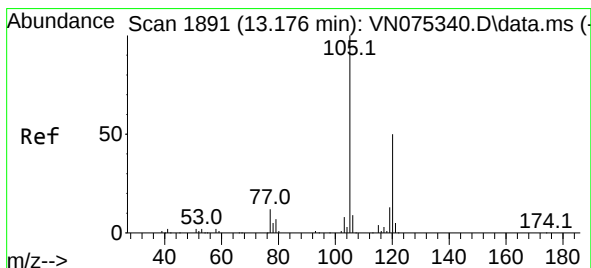
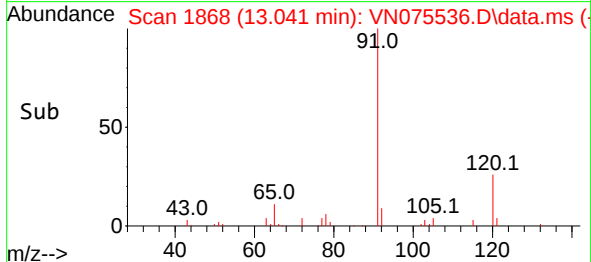
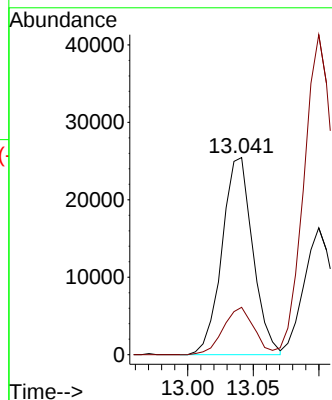
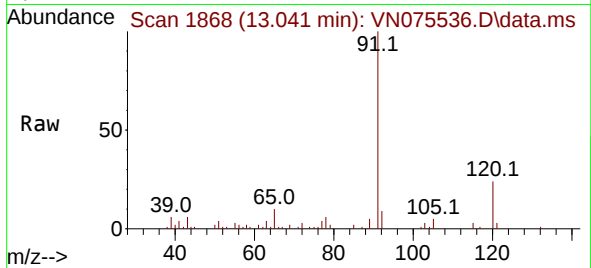




#78
n-propylbenzene
Concen: 3.993 ug/l
RT: 13.041 min Scan# 1867
Delta R.T. 0.006 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

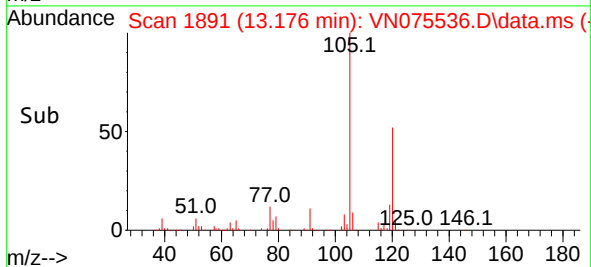
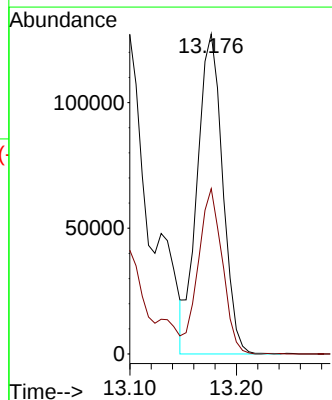
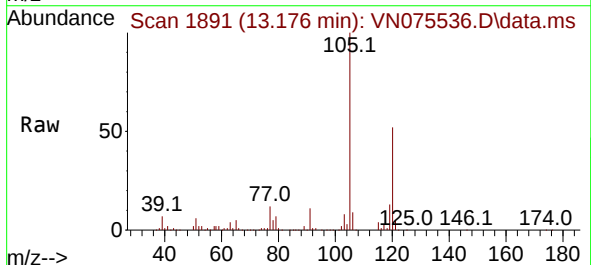
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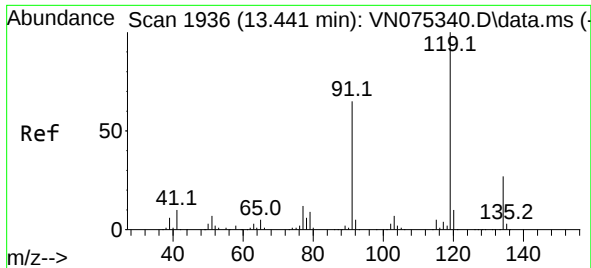
Tgt Ion: 91 Resp: 41561
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 27.248 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion: 105 Resp: 211125
Ion Ratio Lower Upper
105 100
120 49.1 24.7 74.1

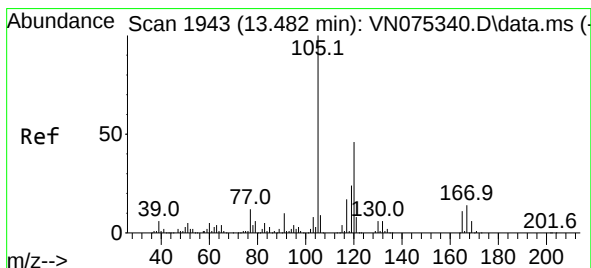
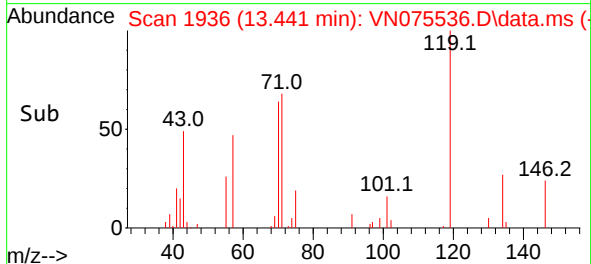
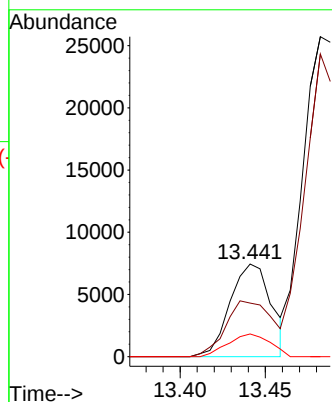
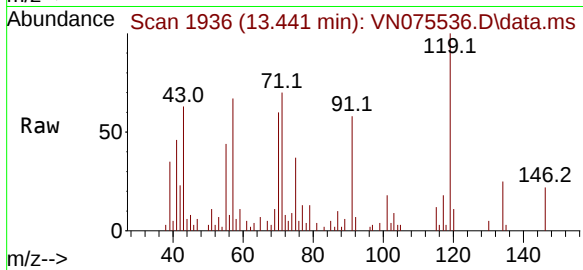




#83
tert-Butylbenzene
Concen: 1.770 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. 0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

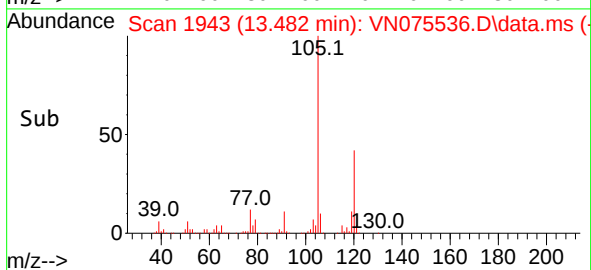
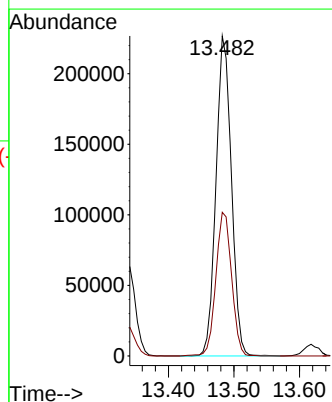
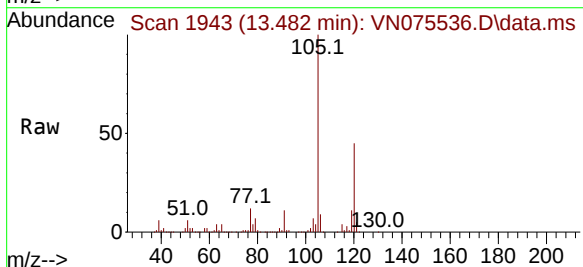
Instrument :
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ClientSampleId :
JAM-VRG-1201

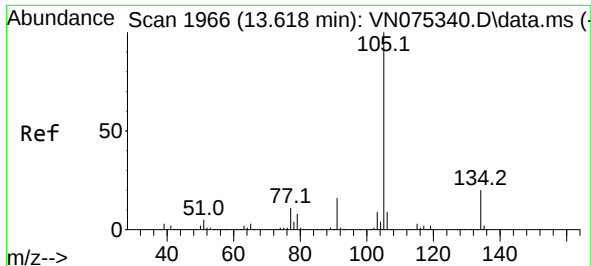
Tgt Ion:119 Resp: 12507
Ion Ratio Lower Upper
119 100
91 68.1 32.8 98.4
134 25.1 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 47.450 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075536.D
Acq: 02 Dec 2022 16:53

Tgt Ion:105 Resp: 368772
Ion Ratio Lower Upper
105 100
120 45.9 22.7 68.1

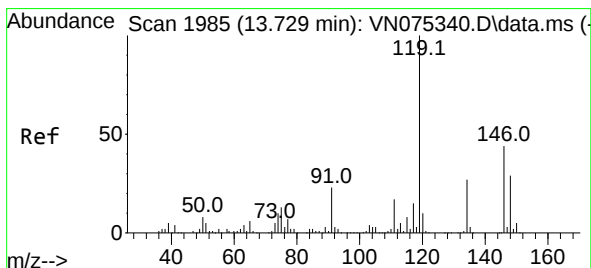
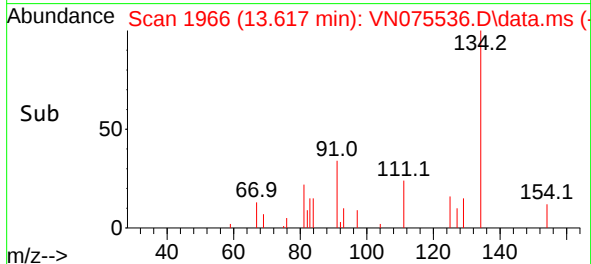
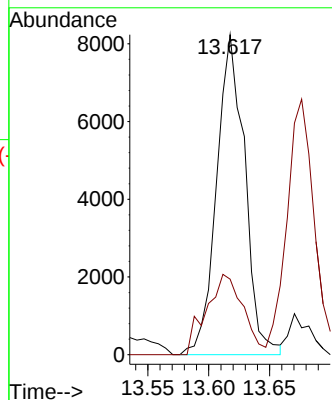
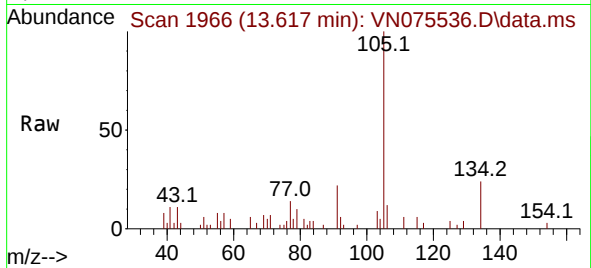




#85
 sec-Butylbenzene
 Concen: 1.382 ug/l
 RT: 13.617 min Scan# 1966
 Delta R.T. -0.001 min
 Lab File: VN075536.D
 Acq: 02 Dec 2022 16:53

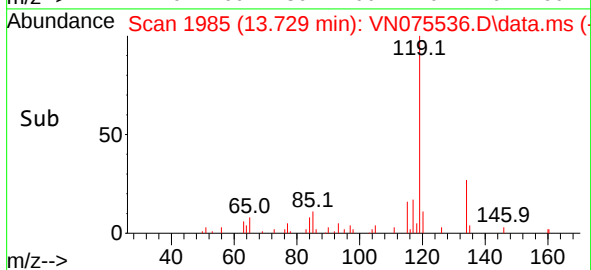
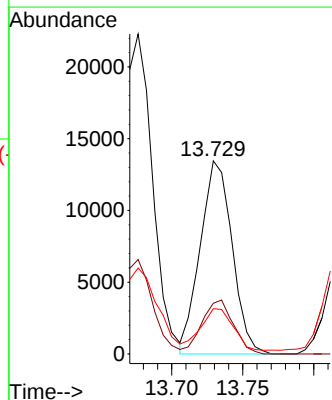
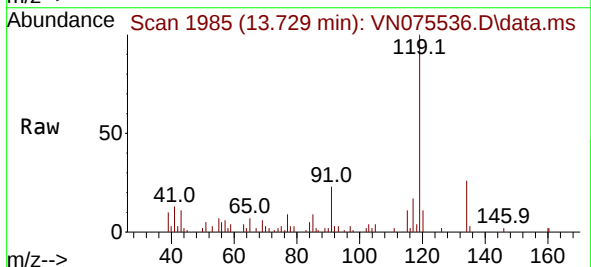
Instrument :
 MSVOA_N
 ClientSampleId :
 JAM-VRG-1201

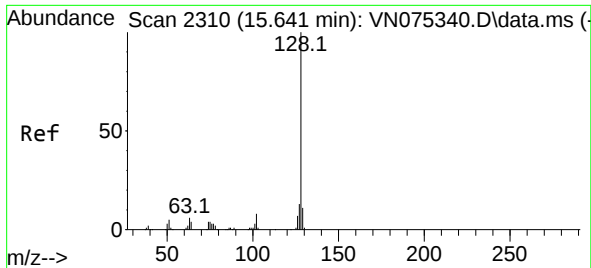
Tgt Ion:105 Resp: 13246
 Ion Ratio Lower Upper
 105 100
 134 32.9 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 2.609 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN075536.D
 Acq: 02 Dec 2022 16:53

Tgt Ion:119 Resp: 21043
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.1 39.3
 91 27.1 11.9 35.5





#95

Naphthalene

Concen: 7.145 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075536.D

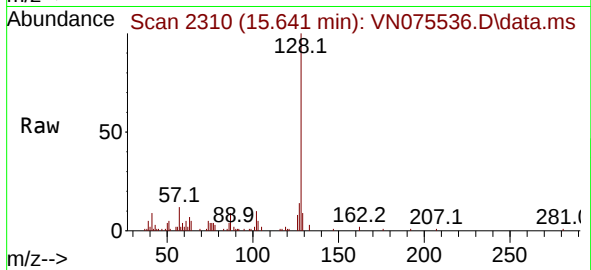
Acq: 02 Dec 2022 16:53

Instrument :

MSVOA_N

ClientSampleId :

JAM-VRG-1201



Tgt Ion:128 Resp: 48982

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.3 8.6 12.8

