

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081424\
 Data File : VN083296.D
 Acq On : 14 Aug 2024 13:16
 Operator : JC\MD
 Sample : VN0814MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 23:21:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

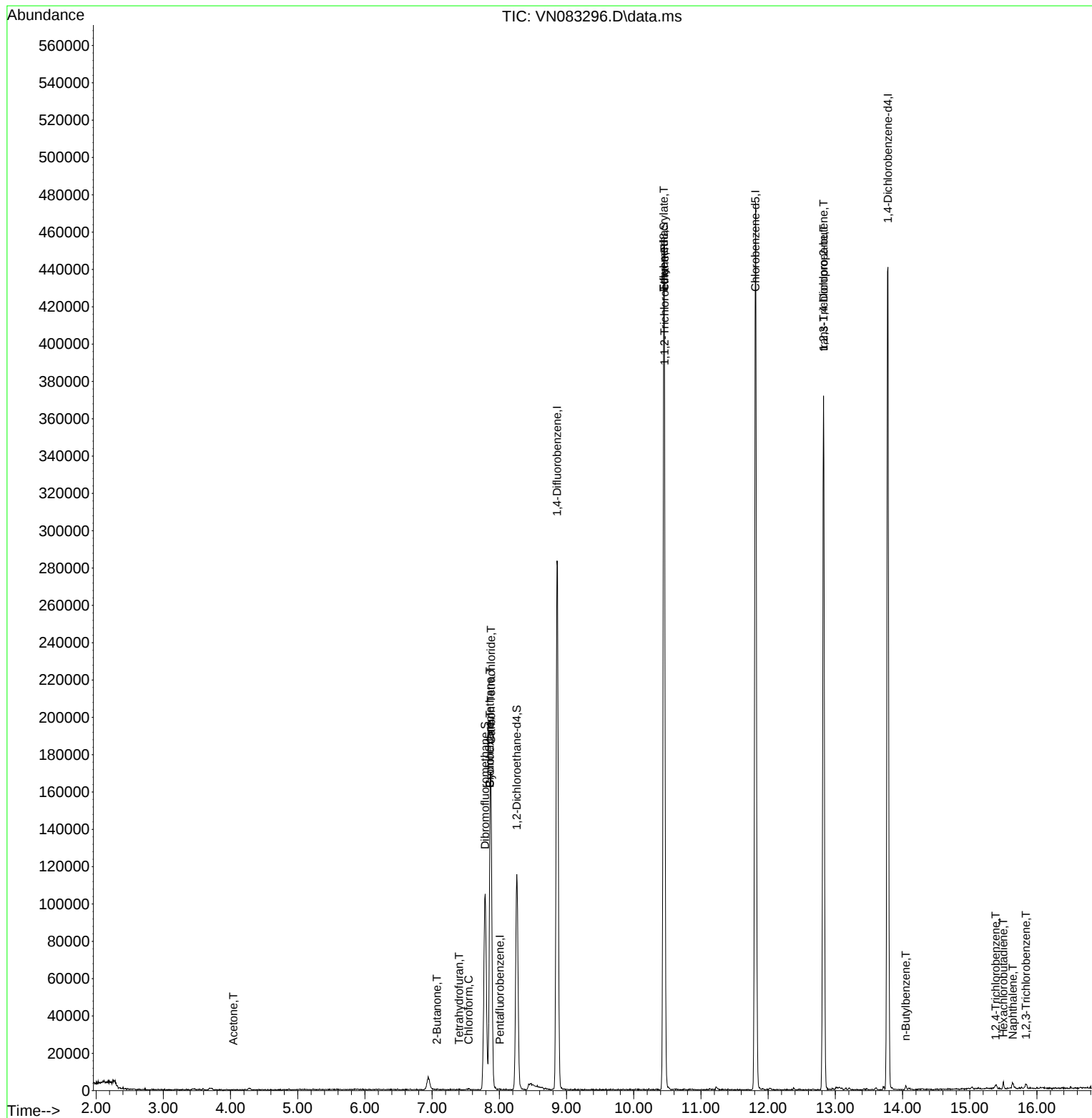
Internal Standards						
1) Pentafluorobenzene	8.006	168	64	50.000	ug/l	#-0.22
34) 1,4-Difluorobenzene	8.859	114	262359	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.812	117	202201	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.782	152	118344	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	107726	118254.471	ug/l	-0.32
Spiked Amount	50.000	Range 74 - 125	Recovery	= 236508.940%#		
35) Dibromofluoromethane	7.789	113	85354	52.122	ug/l	-0.38
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.240%		
50) Toluene-d8	10.447	98	324818	53.174	ug/l	-0.12
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.340%		
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range 77 - 121	Recovery	= 0.000%#		
Target Compounds						
						Qvalue
16) Acetone	4.042	43	150	420.806	ug/l #	48
25) 2-Butanone	7.071	43	66	120.585	ug/l #	53
28) Bromochloromethane	7.859	49	205	365.181	ug/l #	1
29) Tetrahydrofuran	7.400	42	67	189.365	ug/l #	38
30) Chloroform	7.542	83	54	37.839	ug/l #	18
31) Cyclohexane	7.859	56	3207	2375.561	ug/l #	30
38) Carbon Tetrachloride	7.877	117	10481	3.756	ug/l #	17
43) Isopropyl Acetate	8.436	43	1690	Below Cal	#	60
55) 1,1,2-Trichloroethane	10.459	97	7342	4.394	ug/l #	1
56) Ethyl methacrylate	10.447	69	913	0.290	ug/l #	80
76) 1,2,3-Trichloropropane	12.824	75	72551	27.933	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.824	75	72551	60.760	ug/l #	6
89) n-Butylbenzene	14.047	91	1549	0.216	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	1039	0.463	ug/l	81
94) Hexachlorobutadiene	15.500	225	774	0.776	ug/l	76
95) Naphthalene	15.641	128	4497	0.566	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	1235	0.556	ug/l #	78

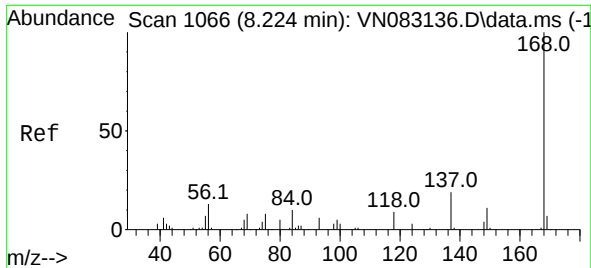
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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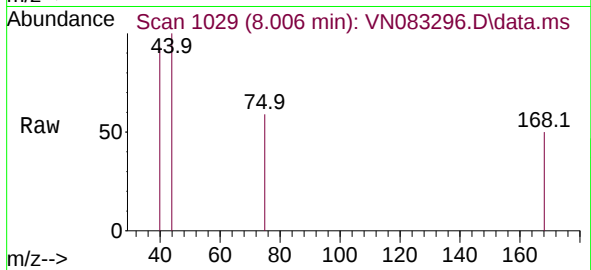
Quant Time: Aug 14 23:21:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
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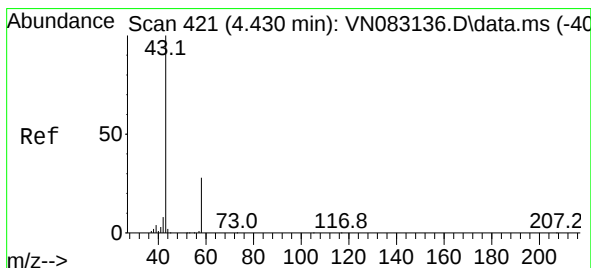
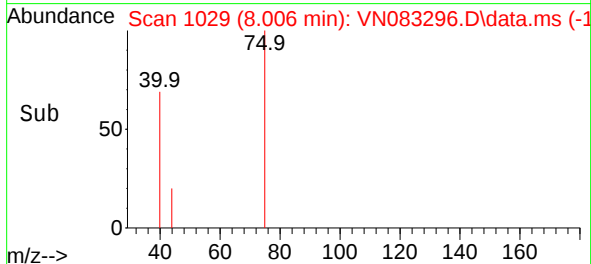
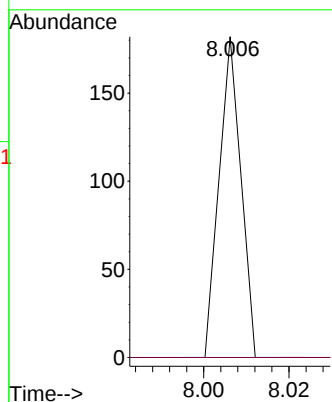


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.006 min Scan# 1
Delta R.T. -0.218 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

Instrument :
MSVOA_N
ClientSampleId :

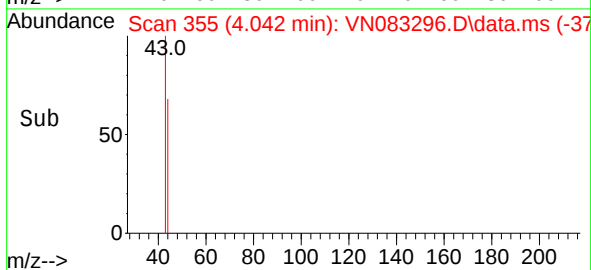
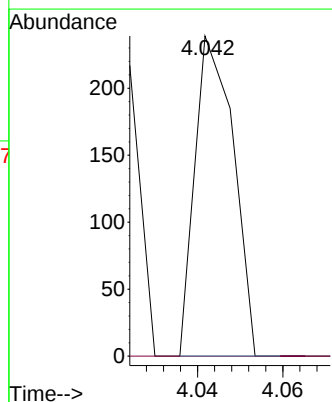
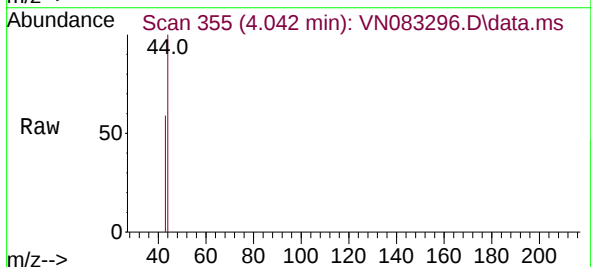


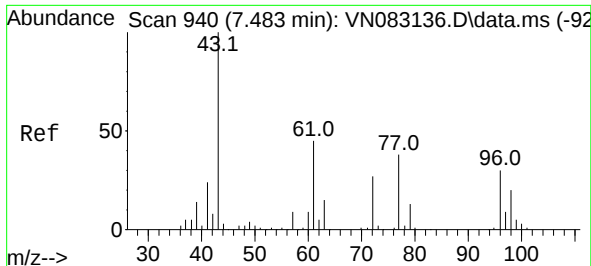
Tgt Ion:168 Resp: 64
Ion Ratio Lower Upper
168 100
99 0.0 48.2 72.4#



#16
Acetone
Concen: 420.806 ug/l
RT: 4.042 min Scan# 355
Delta R.T. -0.388 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#





#25

2-Butanone

Concen: 120.585 ug/l

RT: 7.071 min Scan# 81

Delta R.T. -0.412 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

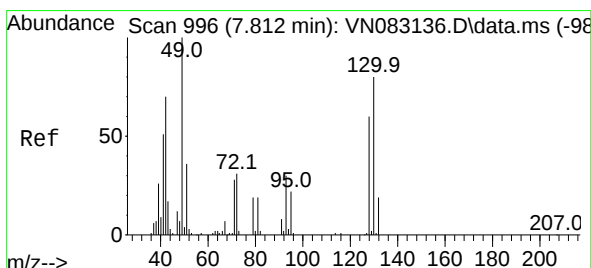
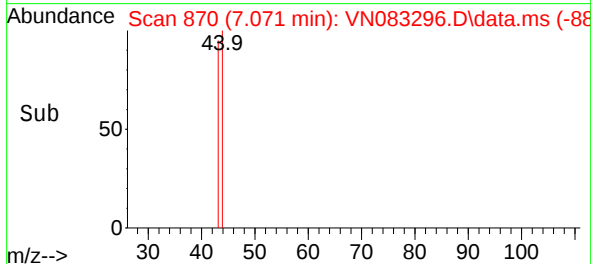
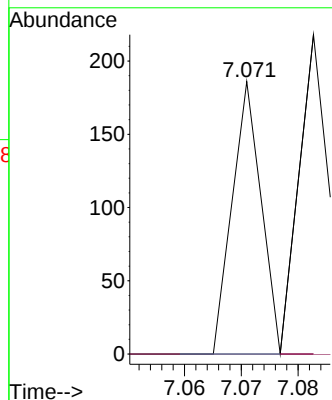
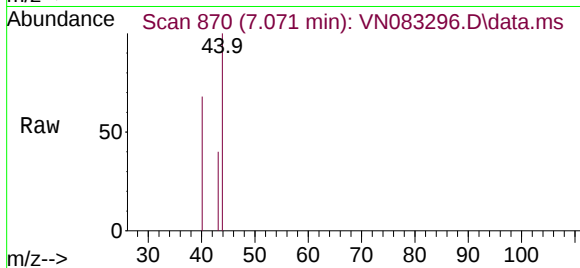
ClientSampleId :

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#28

Bromochloromethane

Concen: 365.181 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.047 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

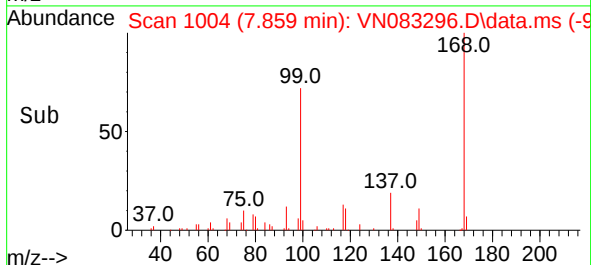
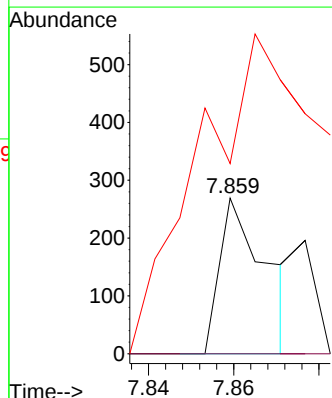
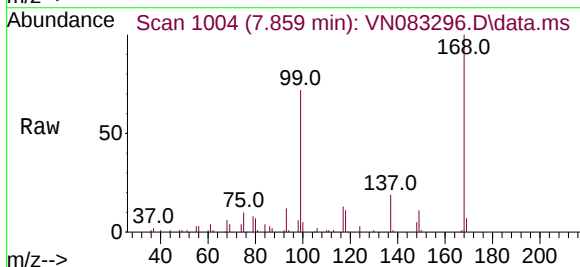
Tgt Ion: 49 Resp: 205

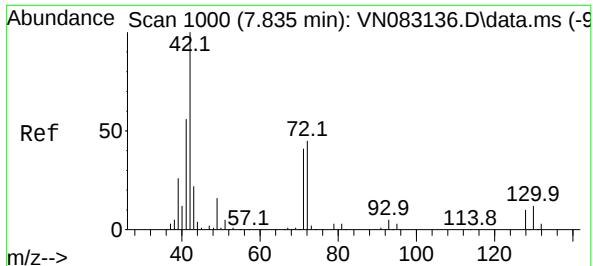
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 375.1 50.5 75.7#





#29

Tetrahydrofuran

Concen: 189.365 ug/l

RT: 7.400 min Scan# 91

Delta R.T. -0.435 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :

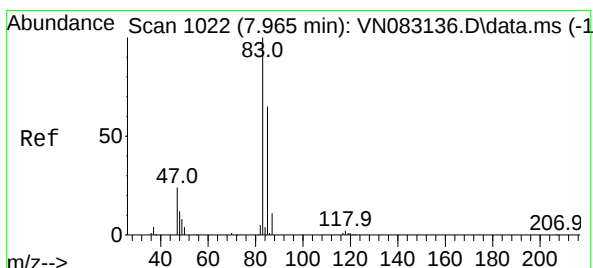
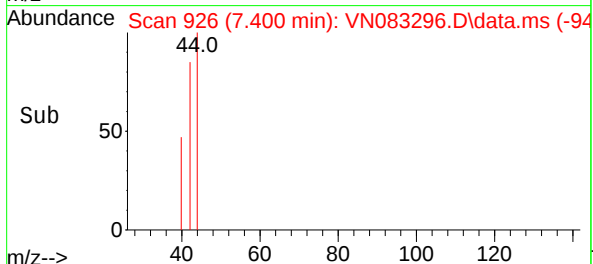
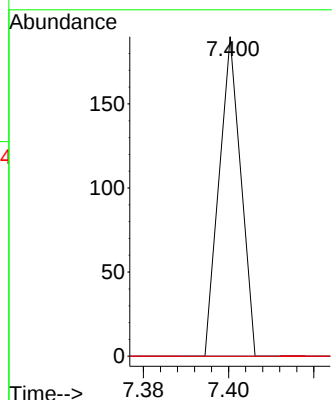
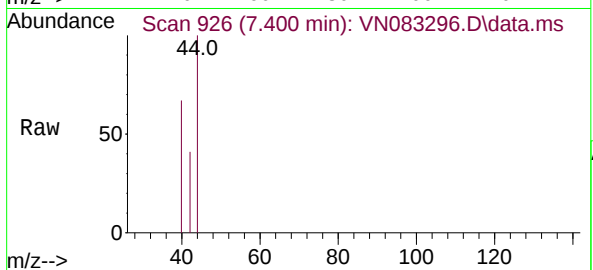
Tgt Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 28.3 42.5#



#30

Chloroform

Concen: 37.839 ug/l

RT: 7.542 min Scan# 950

Delta R.T. -0.423 min

Lab File: VN083296.D

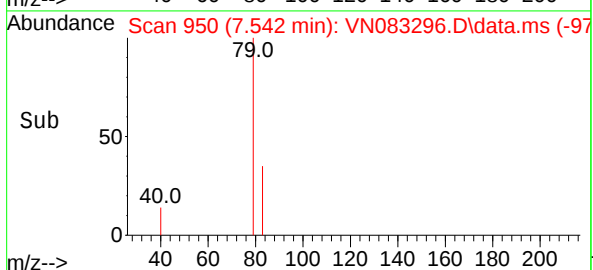
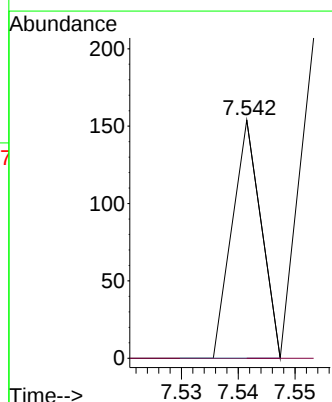
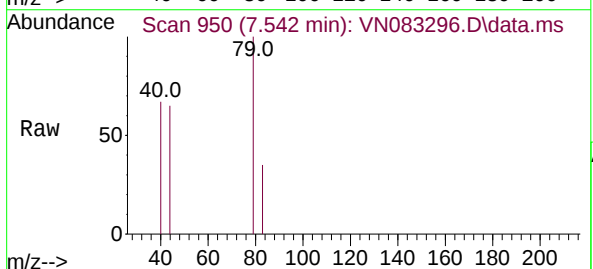
Acq: 14 Aug 2024 13:16

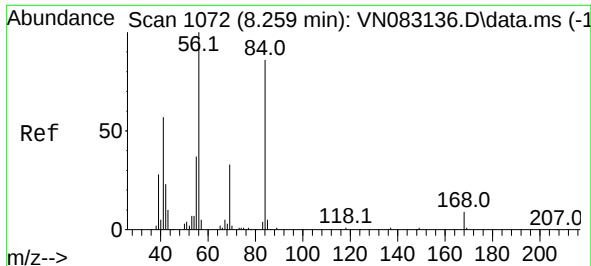
Tgt Ion: 83 Resp: 54

Ion Ratio Lower Upper

83 100

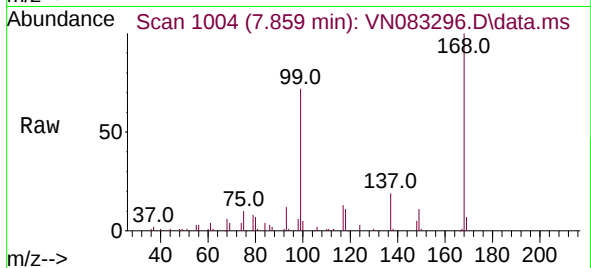
85 0.0 50.9 76.3#



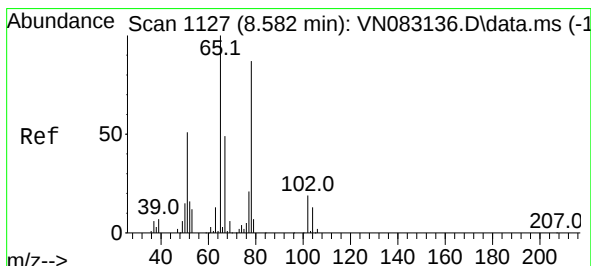
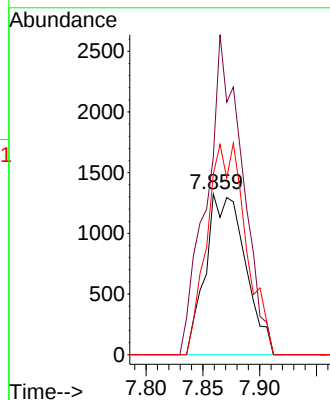
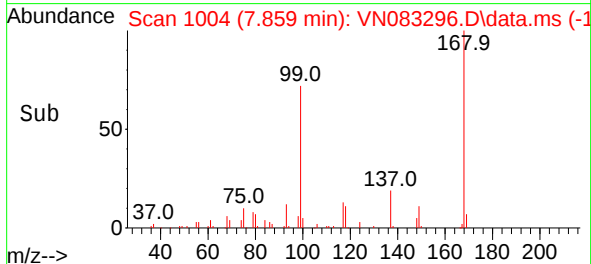


#31
Cyclohexane
Concen: 2375.561 ug/l
RT: 7.859 min Scan# 1072
Delta R.T. -0.400 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

Instrument :
MSVOA_N
ClientSampleId :

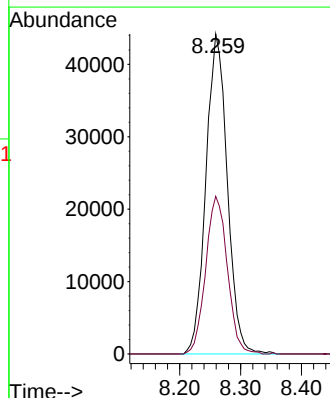
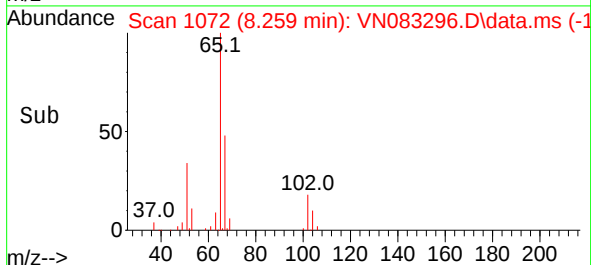
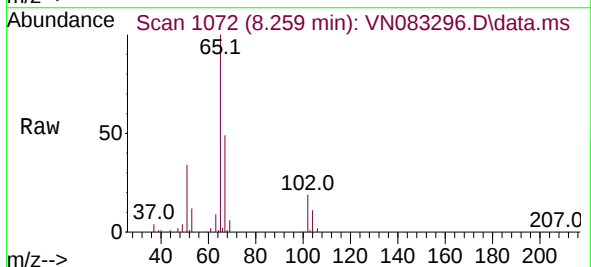


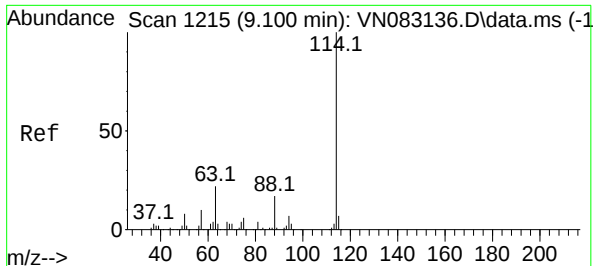
Tgt Ion: 56 Resp: 3207
Ion Ratio Lower Upper
56 100
69 123.0 24.5 36.7#
84 112.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 118254.471 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.323 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

Tgt Ion: 65 Resp: 107726
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.241 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :

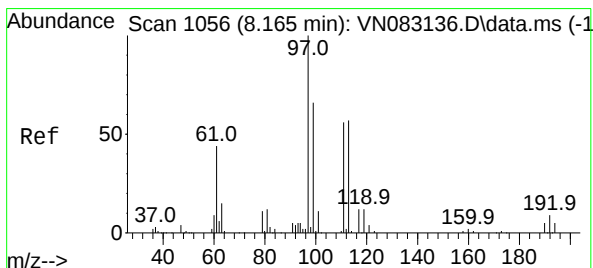
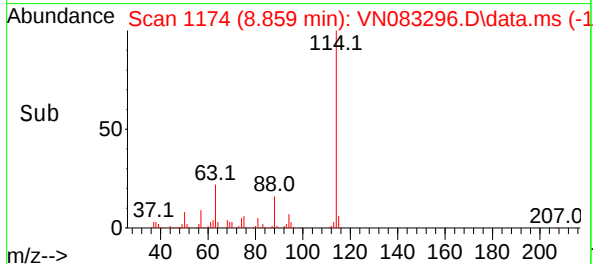
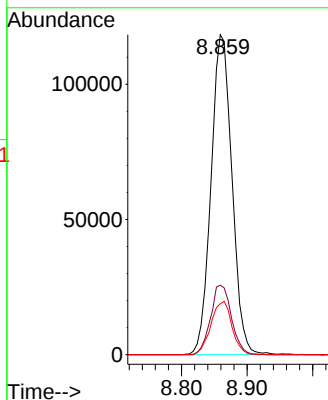
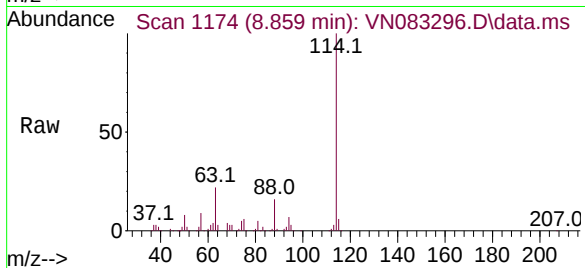
Tgt Ion:114 Resp: 262359

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.122 ug/l

RT: 7.789 min Scan# 992

Delta R.T. -0.376 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

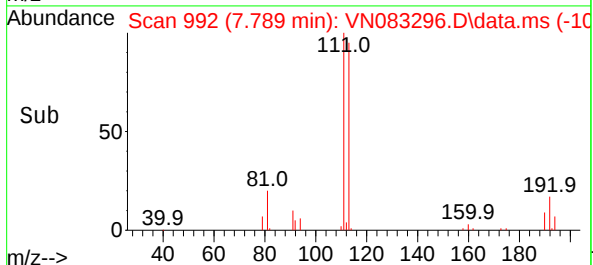
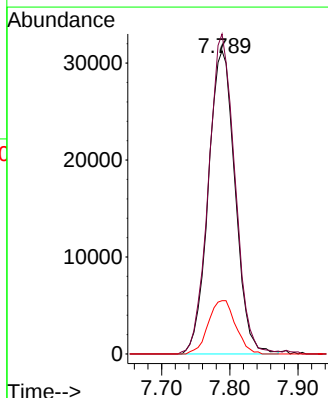
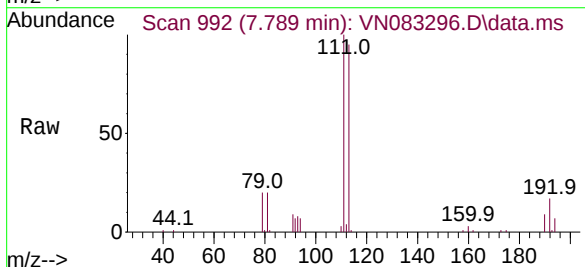
Tgt Ion:113 Resp: 85354

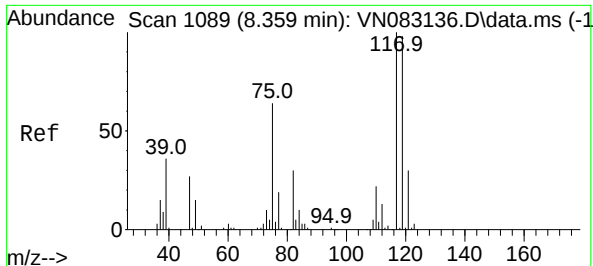
Ion Ratio Lower Upper

113 100

111 104.3 82.4 123.6

192 17.9 14.9 22.3





#38

Carbon Tetrachloride

Concen: 3.756 ug/l

RT: 7.877 min Scan# 1102

Delta R.T. -0.482 min

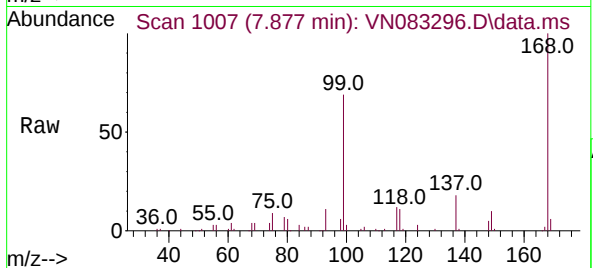
Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :



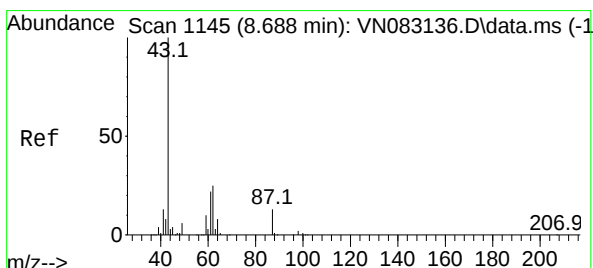
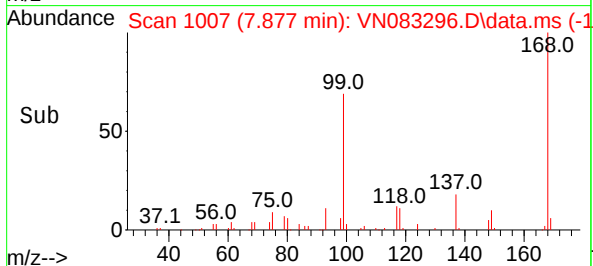
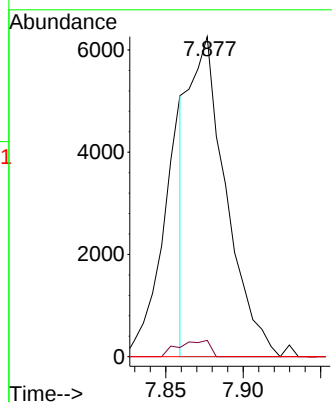
Tgt Ion:117 Resp: 10481

Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.436 min Scan# 1102

Delta R.T. -0.252 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

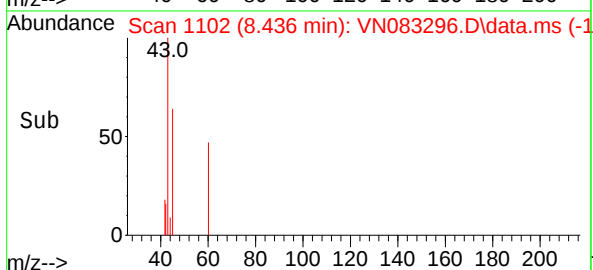
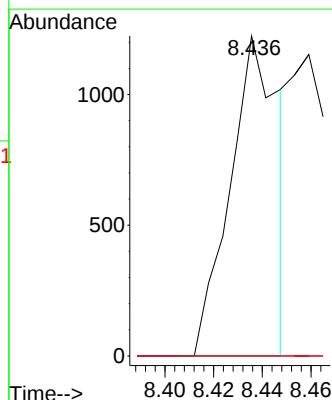
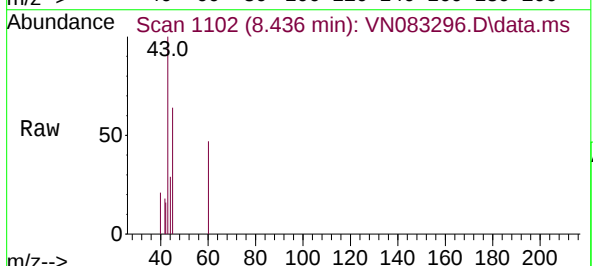
Tgt Ion: 43 Resp: 1690

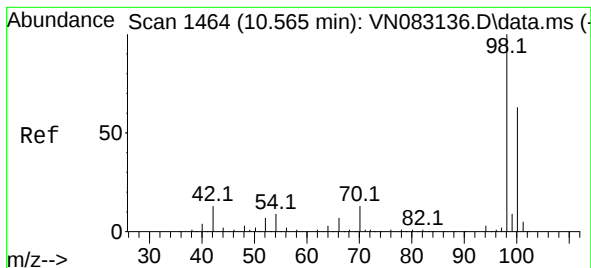
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#





#50

Toluene-d8

Concen: 53.174 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.118 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

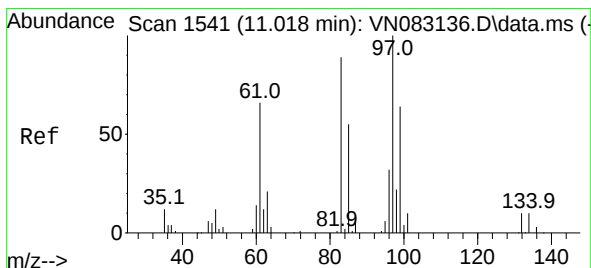
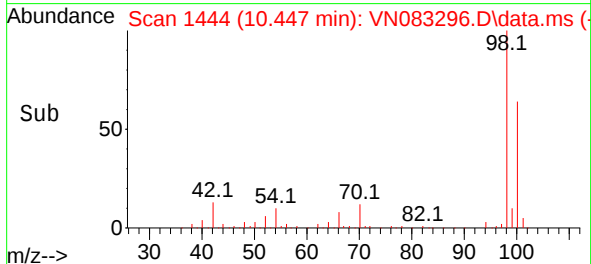
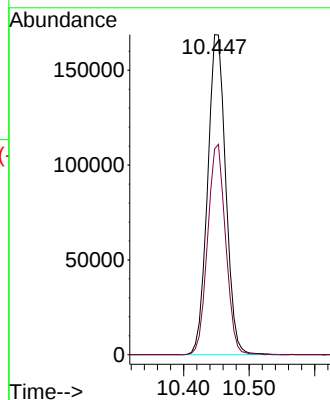
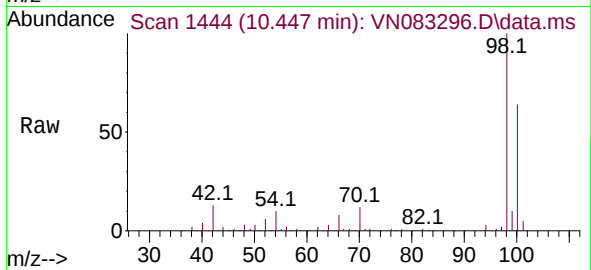
ClientSampleId :

Tgt Ion: 98 Resp: 324818

Ion Ratio Lower Upper

98 100

100 65.1 51.5 77.3



#55

1,1,2-Trichloroethane

Concen: 4.394 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. -0.559 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Tgt Ion: 97 Resp: 7342

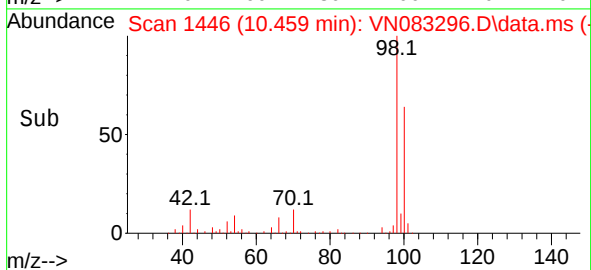
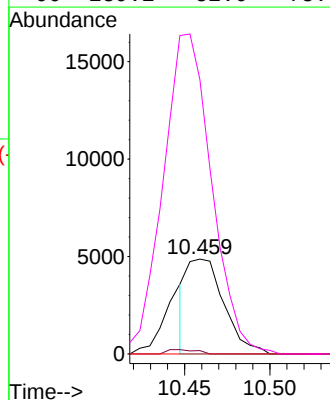
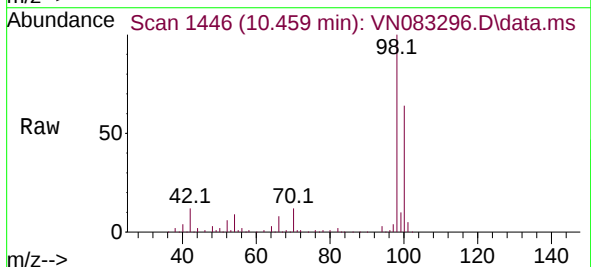
Ion Ratio Lower Upper

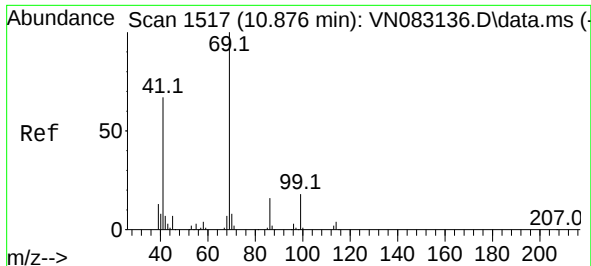
97 100

83 3.6 71.4 107.0#

85 0.0 45.8 68.6#

99 289.2 52.0 78.0#





#56

Ethyl methacrylate

Concen: 0.290 ug/l

RT: 10.447 min Scan# 14

Delta R.T. -0.429 min

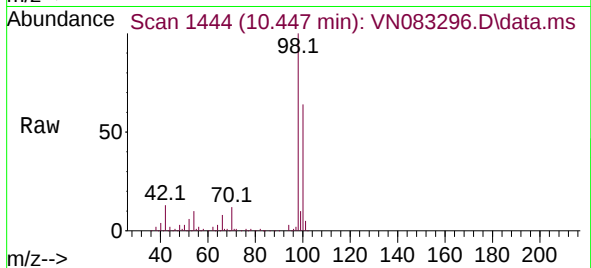
Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :



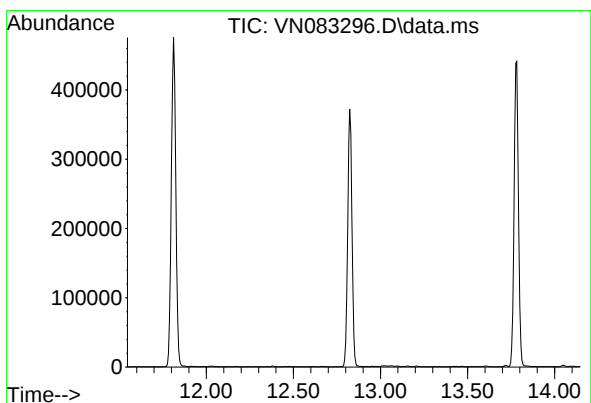
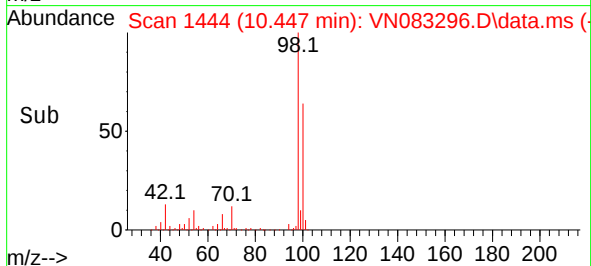
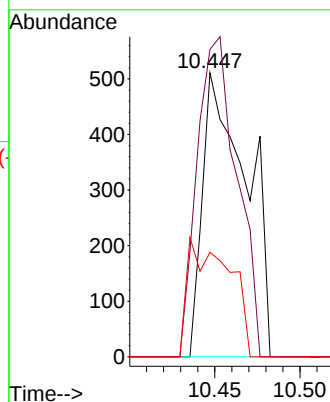
Tgt Ion: 69 Resp: 913

Ion Ratio Lower Upper

69 100

41 102.3 63.4 95.2#

39 40.0 37.4 56.0



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.85 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

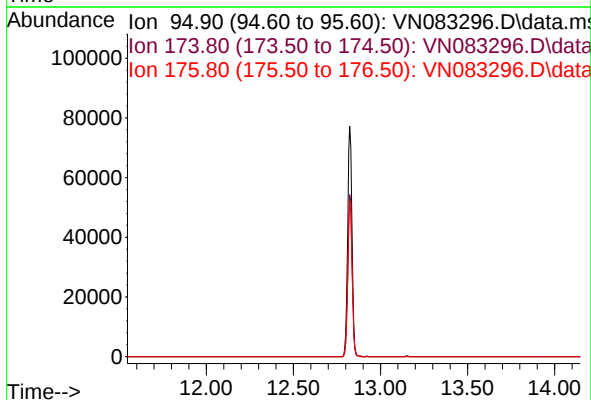
Tgt Ion: 95

Sig Exp Ratio

95 100

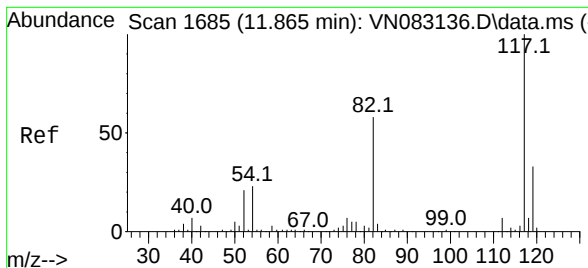
174 79.6

176 73.8



Ion 173.80 (173.50 to 174.50): VN083296.D\data.ms

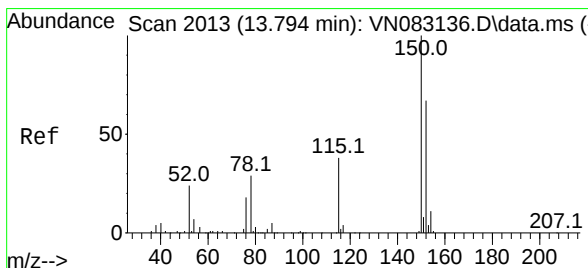
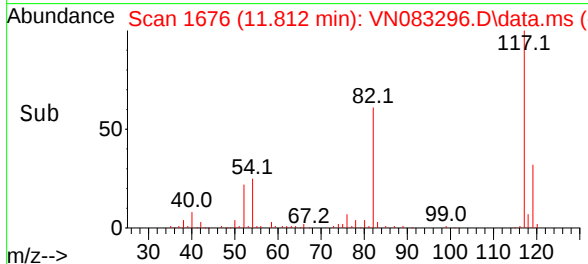
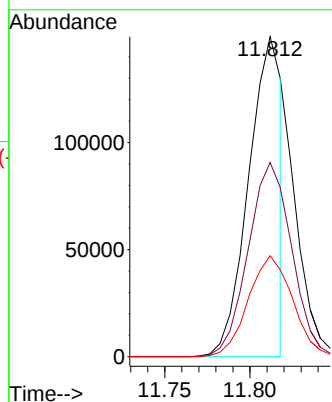
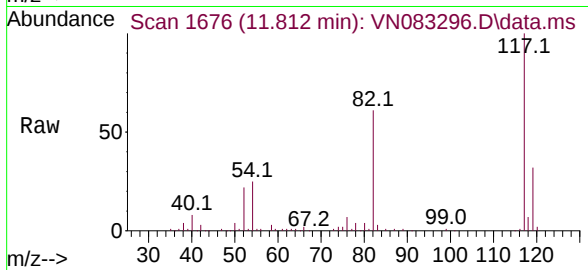
Ion 175.80 (175.50 to 176.50): VN083296.D\data.ms



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.812 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

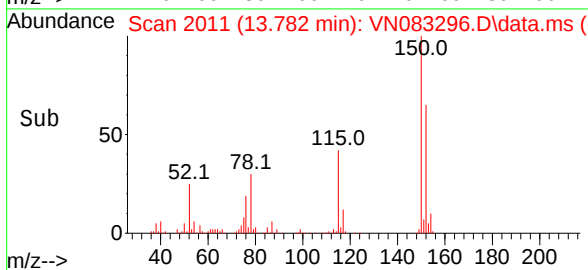
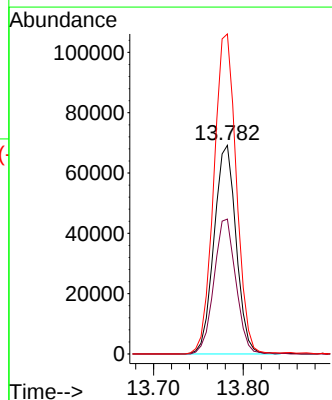
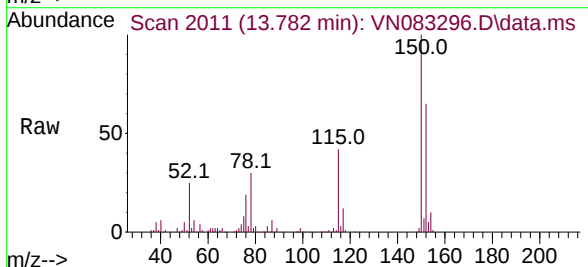
Instrument :
MSVOA_N
ClientSampleId :

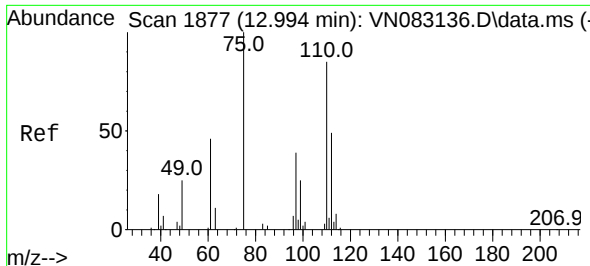
Tgt Ion:117 Resp: 202201
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.782 min Scan# 2011
Delta R.T. -0.012 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

Tgt Ion:152 Resp: 118344
Ion Ratio Lower Upper
152 100
115 64.2 30.6 91.6
150 156.2 0.0 348.6

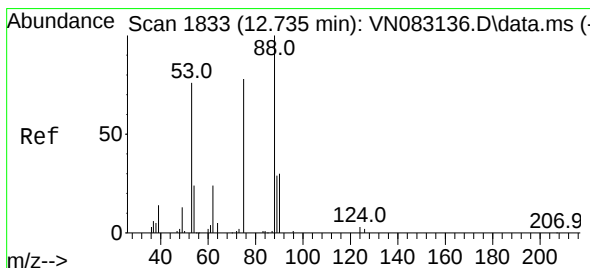
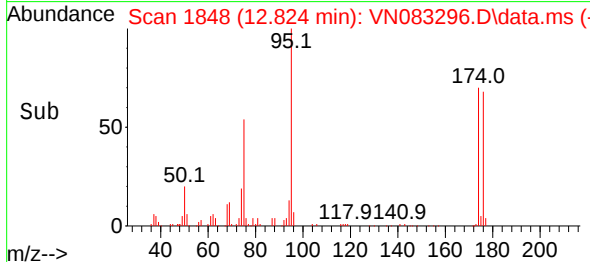
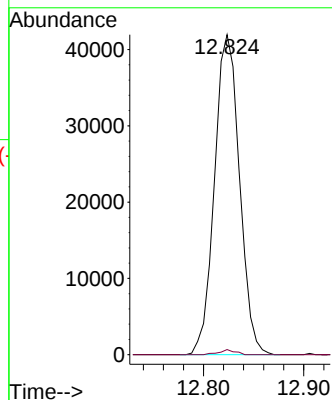
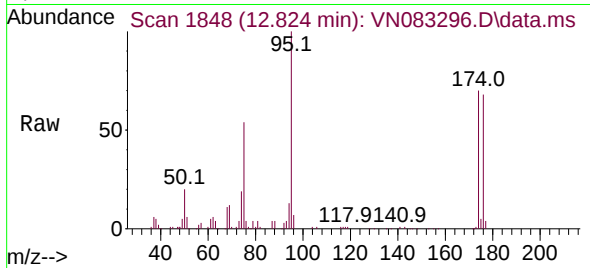




#76
1,2,3-Trichloropropane
Concen: 27.933 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. -0.170 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

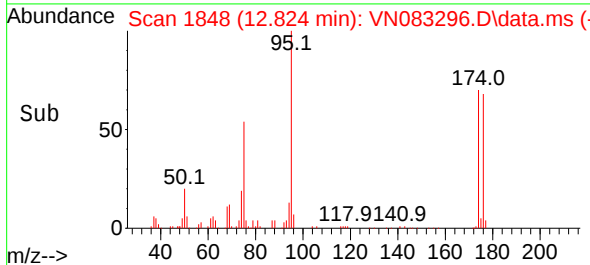
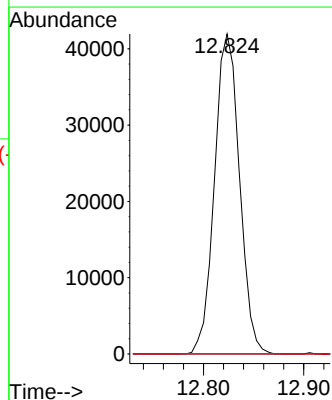
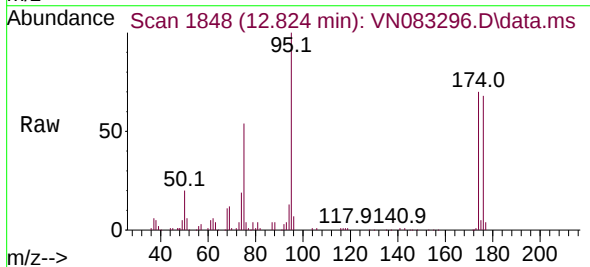
Instrument :
MSVOA_N
ClientSampleId :

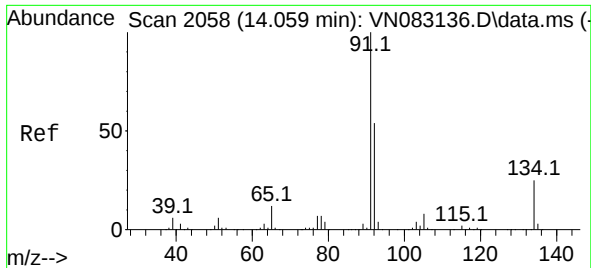
Tgt Ion: 75 Resp: 72551
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.760 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.088 min
Lab File: VN083296.D
Acq: 14 Aug 2024 13:16

Tgt Ion: 75 Resp: 72551
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.216 ug/l

RT: 14.047 min Scan# 2056

Delta R.T. -0.012 min

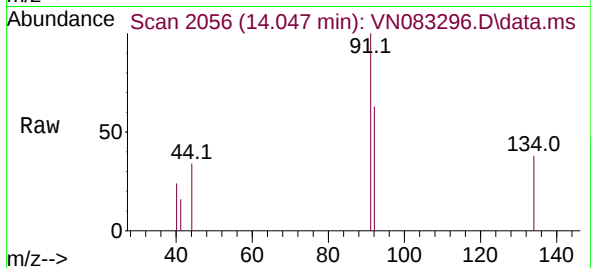
Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

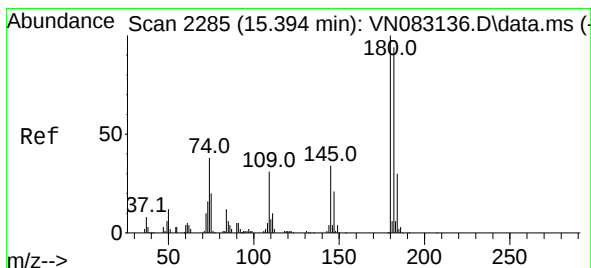
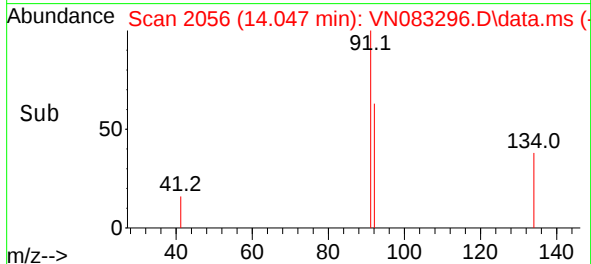
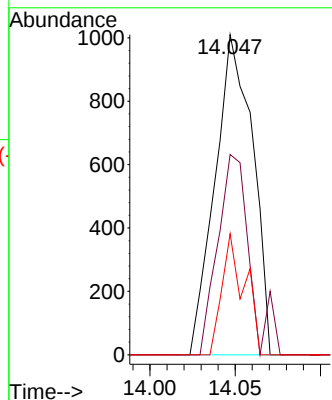
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	91	Resp:	1549
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.1	78.3
134	22.9	12.1	36.3



#93

1,2,4-Trichlorobenzene

Concen: 0.463 ug/l

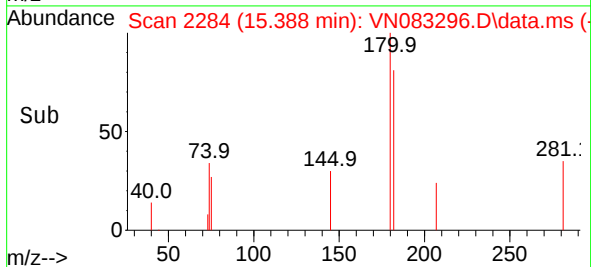
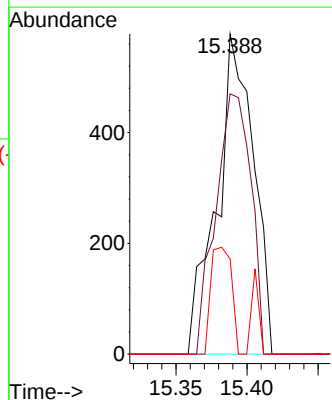
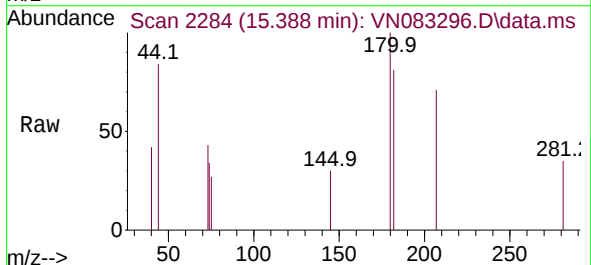
RT: 15.388 min Scan# 2284

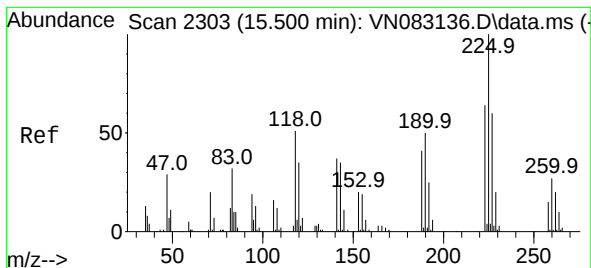
Delta R.T. -0.006 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Tgt Ion:	180	Resp:	1039
Ion	Ratio	Lower	Upper
180	100		
182	78.0	47.3	141.8
145	18.8	15.7	47.1





#94

Hexachlorobutadiene

Concen: 0.776 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :

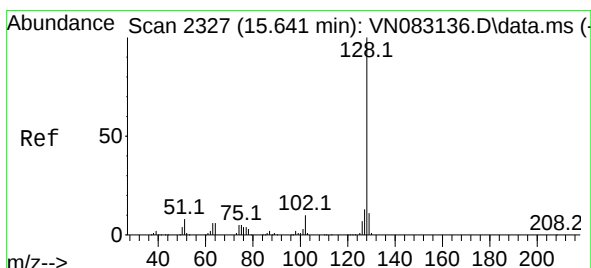
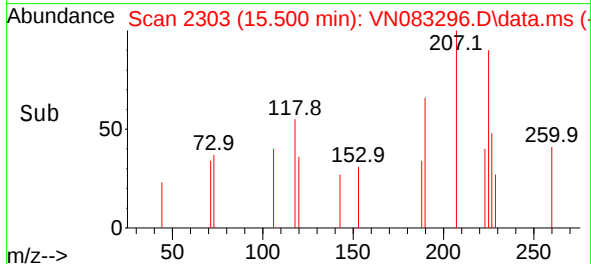
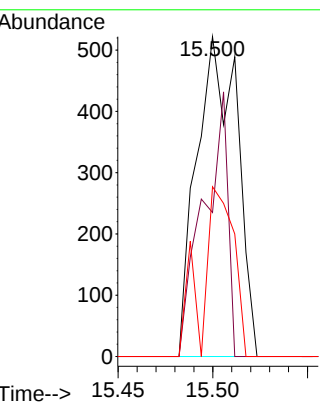
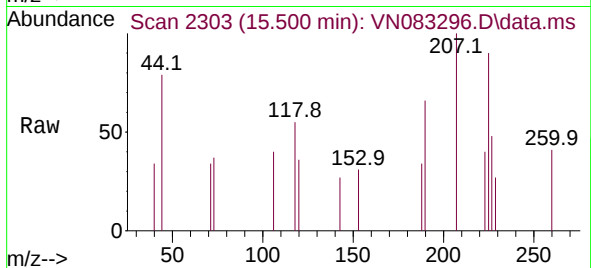
Tgt Ion:225 Resp: 774

Ion Ratio Lower Upper

225 100

223 49.5 31.9 95.7

227 41.7 32.5 97.5



#95

Naphthalene

Concen: 0.566 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

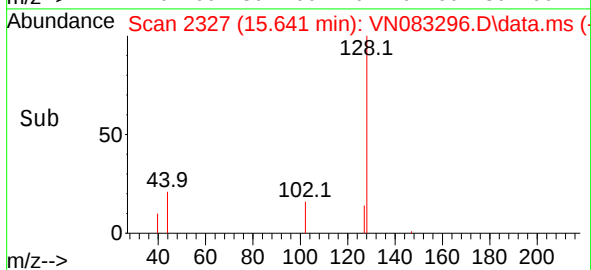
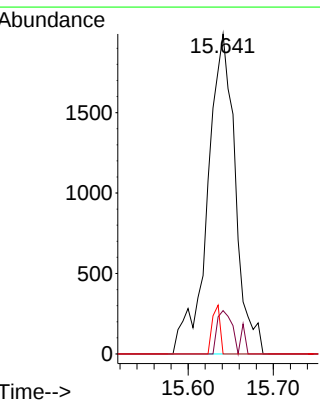
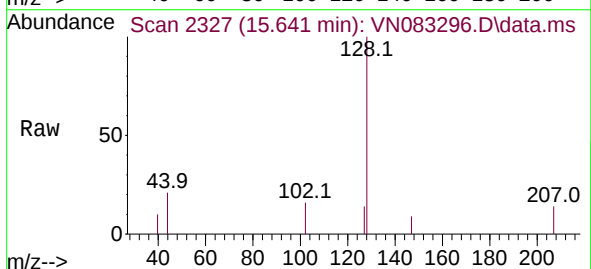
Tgt Ion:128 Resp: 4497

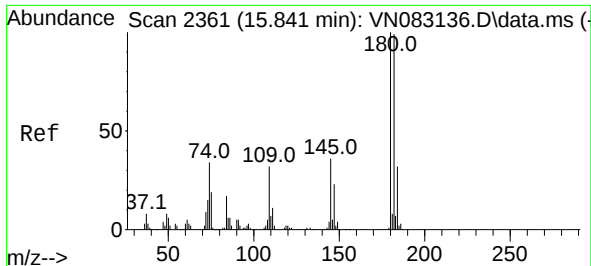
Ion Ratio Lower Upper

128 100

127 8.6 10.6 16.0#

129 4.2 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.556 ug/l

RT: 15.835 min Scan# 24

Delta R.T. -0.006 min MSVOA_N

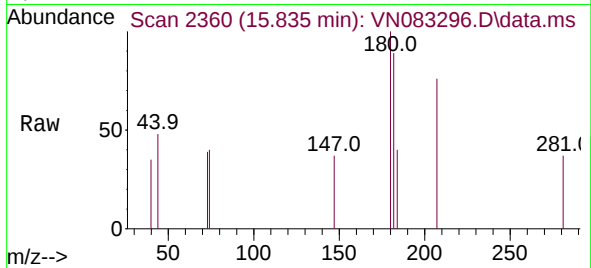
Lab File: VN083296.D

Acq: 14 Aug 2024 13:16

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1235

Ion Ratio Lower Upper

180 100

182 81.9 48.9 146.8

145 12.5 16.8 50.4#

