

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111522\
 Data File : VN075281.D
 Acq On : 15 Nov 2022 14:09
 Operator : JC\MD
 Sample : N5582-05RE
 Misc : 1.66g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CLI-0116RE

Quant Time: Nov 15 14:42:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

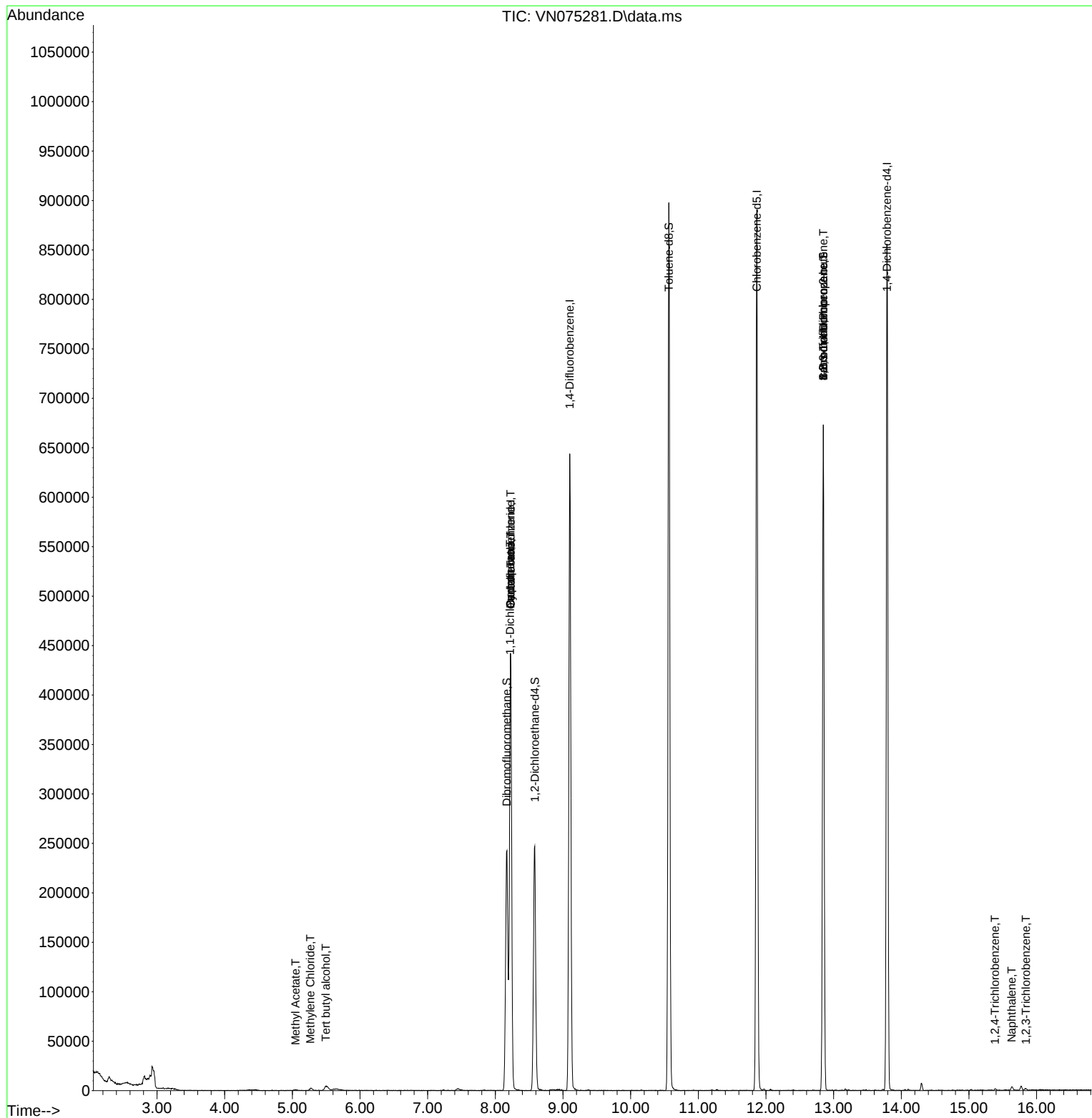
Internal Standards						
1) Pentafluorobenzene	8.224	168	329203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	589347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	518515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	235414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	201838	45.504	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.000%
35) Dibromofluoromethane	8.171	113	175534	50.736	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.480%
50) Toluene-d8	10.565	98	632502	47.121	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.240%
62) 4-Bromofluorobenzene	12.847	95	231348	49.064	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.120%
Target Compounds						
5) Bromomethane	2.912	94	502	Below Cal	Qvalue	90
11) Tert butyl alcohol	5.495	59	2768	2.676 ug/l #		72
18) Methyl Acetate	5.048	43	1328	0.216 ug/l #		55
20) Methylene Chloride	5.265	84	1936	0.462 ug/l #		80
31) Cyclohexane	8.224	56	6860	1.040 ug/l #		24
36) 1,1-Dichloropropene	8.218	75	25712	4.800 ug/l #		50
38) Carbon Tetrachloride	8.224	117	35269	5.986 ug/l #		15
71) Bromoform	12.847	173	1832	0.596 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.841	83	142	Below Cal #		1
76) 1,2,3-Trichloropropane	12.847	75	119262	23.860 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	119262	61.248 ug/l #		10
93) 1,2,4-Trichlorobenzene	15.382	180	732	0.210 ug/l #		86
95) Naphthalene	15.629	128	4484	0.335 ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	915	0.264 ug/l #		86

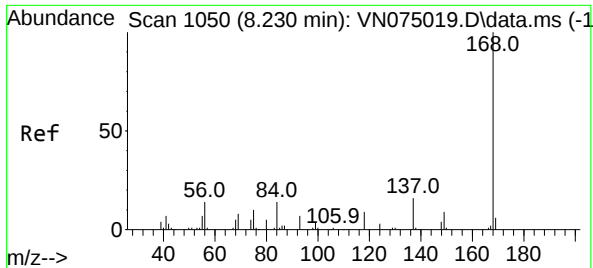
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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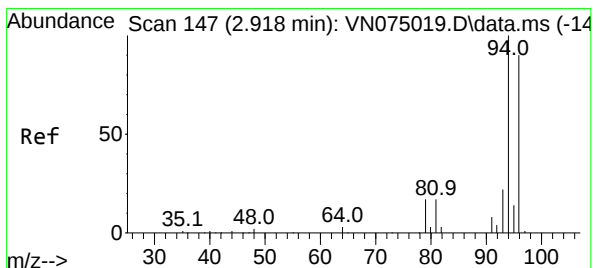
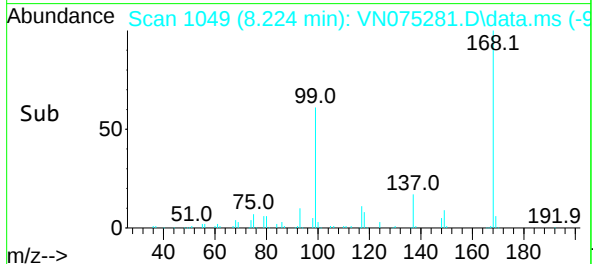
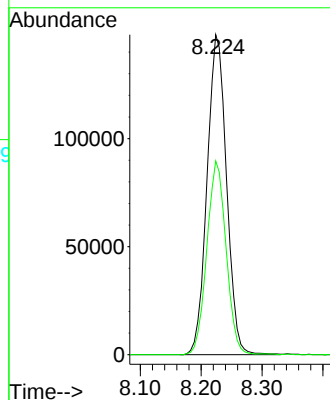
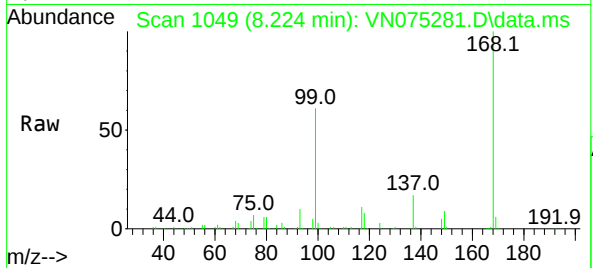




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

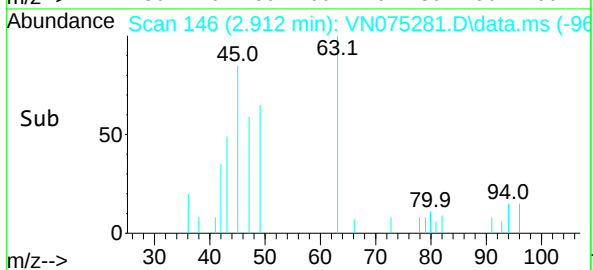
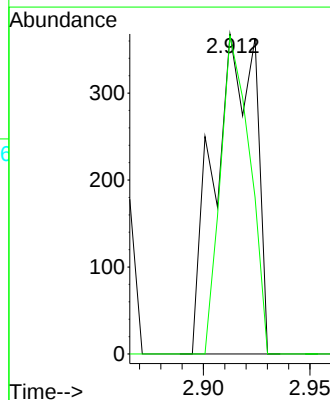
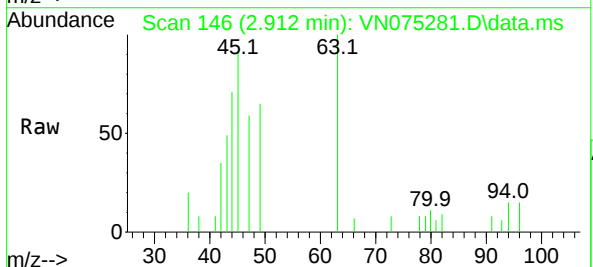
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116RE

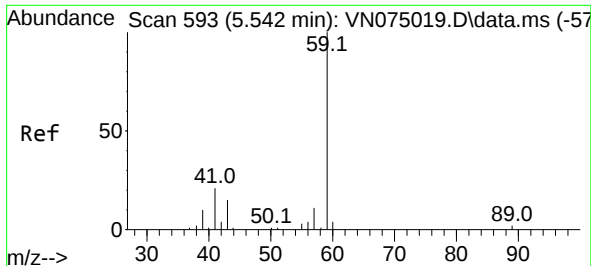
Tgt Ion:168 Resp: 329203
Ion Ratio Lower Upper
168 100
99 60.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 99.5 71.8 107.6

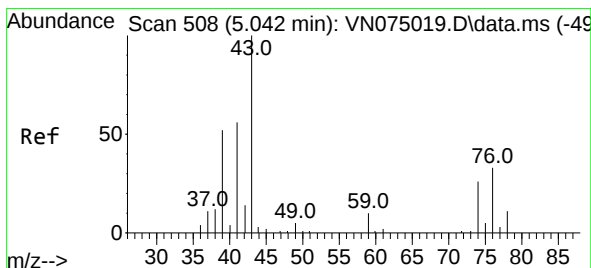
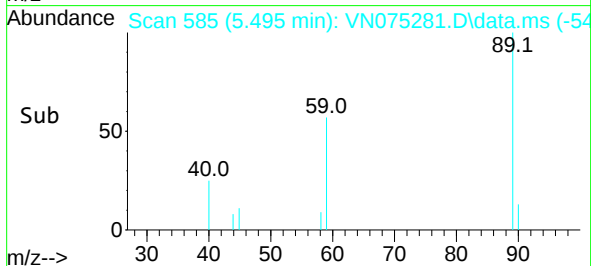
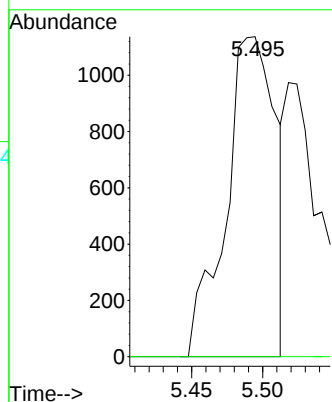
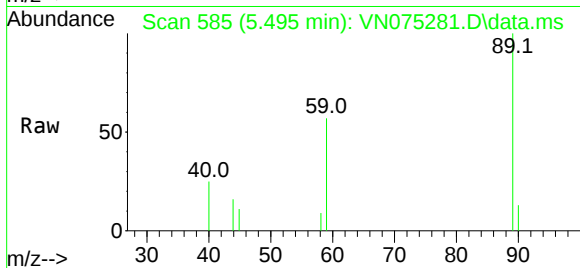




#11
Tert butyl alcohol
Concen: 2.676 ug/l
RT: 5.495 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

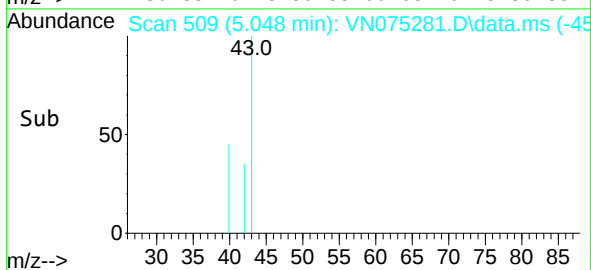
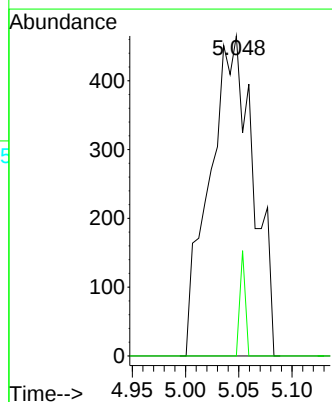
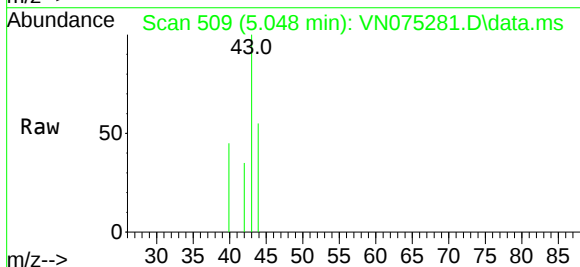
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116RE

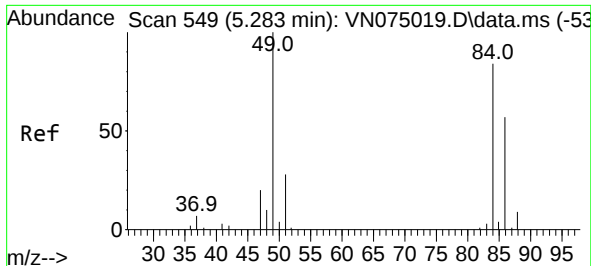
Tgt Ion: 59 Resp: 2768
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.006 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

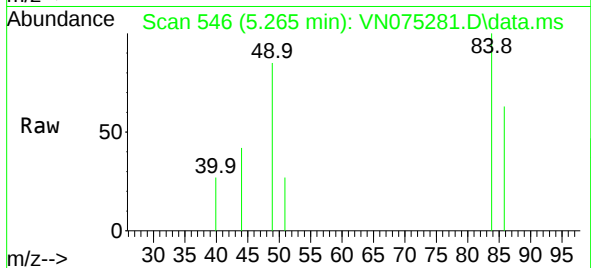
Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
74 4.1 22.0 33.0#



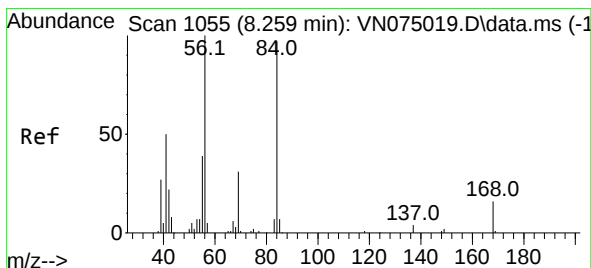
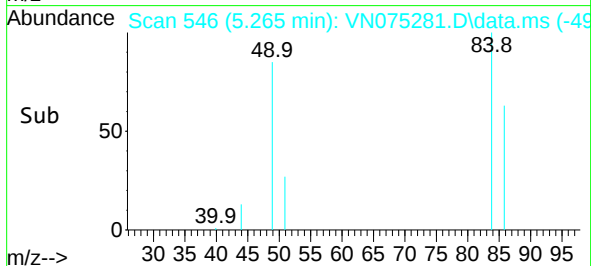
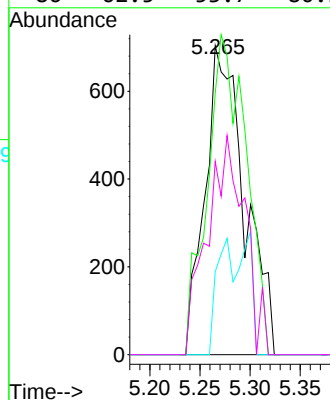


#20
Methylene Chloride
Concen: 0.462 ug/l
RT: 5.265 min Scan# 54
Delta R.T. -0.018 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Instrument :
MSVOA_N
ClientSampleId :
CLI-0116RE

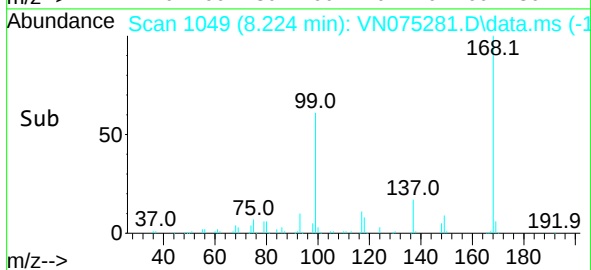
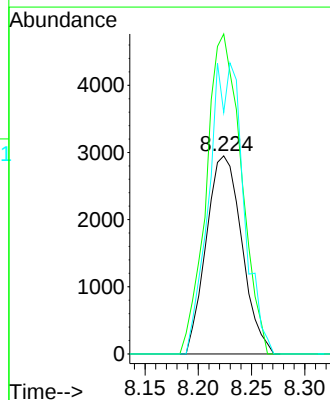
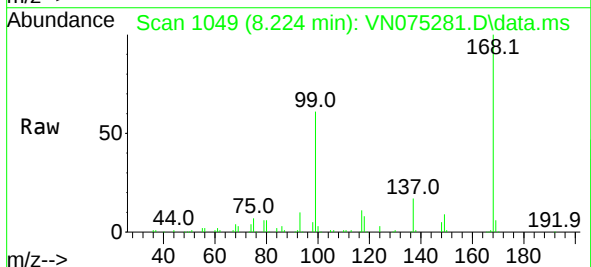


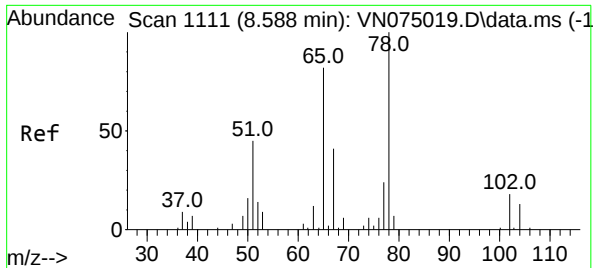
Tgt Ion:	84	Resp:	1936
Ion	Ratio	Lower	Upper
84	100		
49	84.7	94.9	142.3#
51	26.8	26.8	40.2
86	62.5	53.7	80.5



#31
Cyclohexane
Concen: 1.040 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Tgt Ion:	56	Resp:	6860
Ion	Ratio	Lower	Upper
56	100		
69	161.6	25.2	37.8#
84	121.9	77.8	116.8#

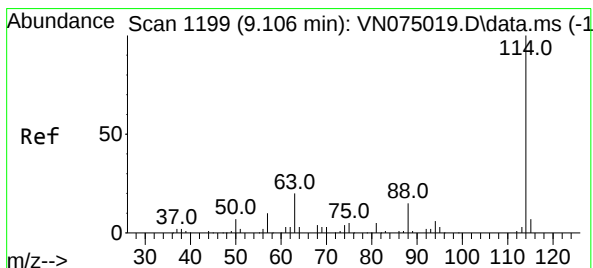
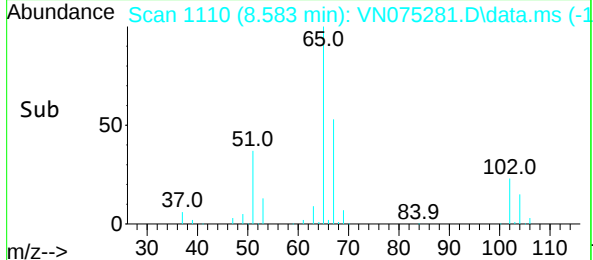
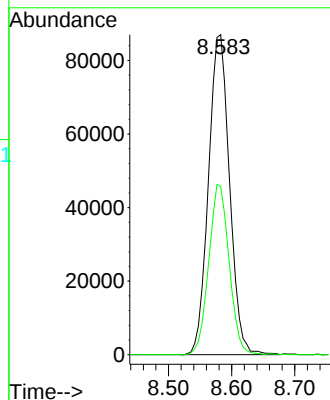
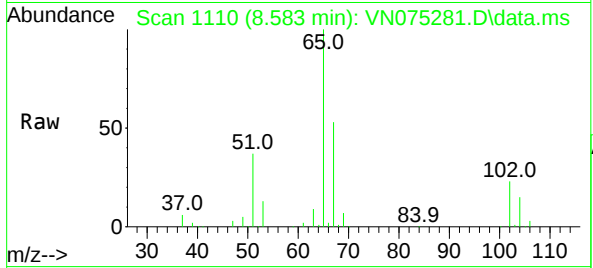




#33
 1,2-Dichloroethane-d4
 Concen: 45.504 ug/l
 RT: 8.583 min Scan# 1111
 Delta R.T. -0.005 min
 Lab File: VN075281.D
 Acq: 15 Nov 2022 14:09

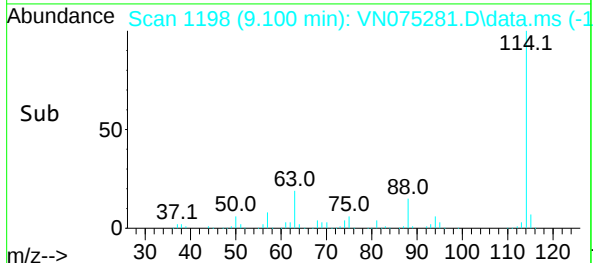
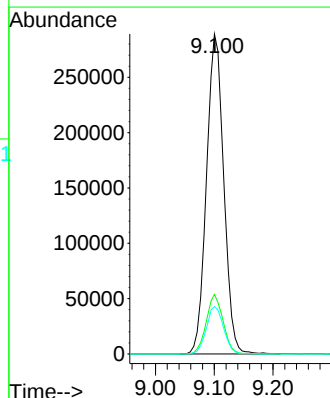
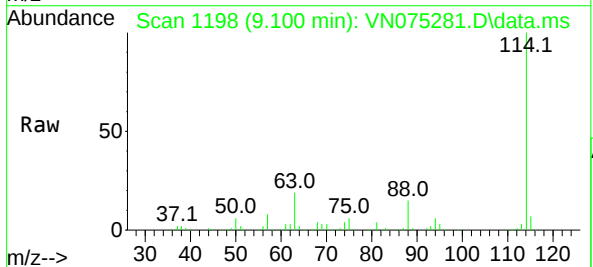
Instrument :
 MSVOA_N
 ClientSampleId :
 CLI-0116RE

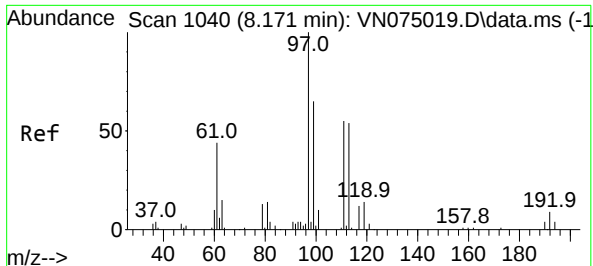
Tgt Ion: 65 Resp: 201838
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1198
 Delta R.T. -0.006 min
 Lab File: VN075281.D
 Acq: 15 Nov 2022 14:09

Tgt Ion: 114 Resp: 589347
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.736 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075281.D

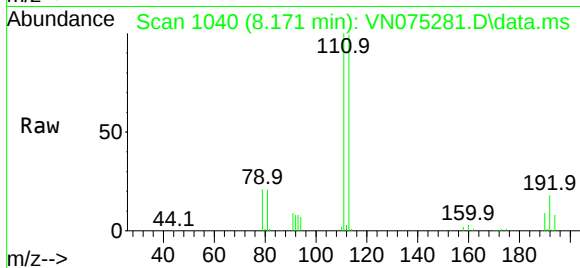
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Instrument :

MSVOA_N

ClientSampleId :

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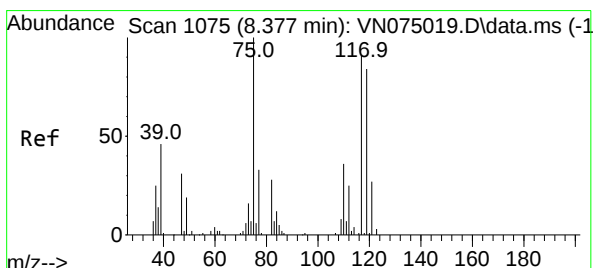
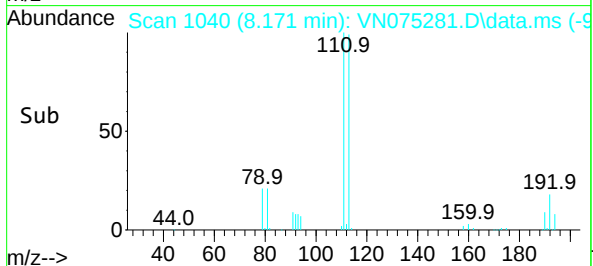
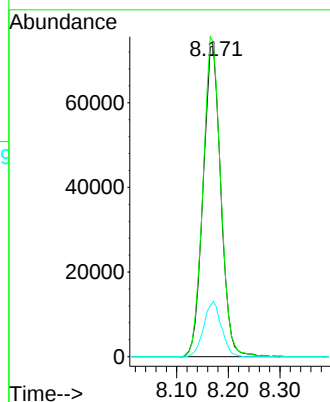
Tgt Ion:113 Resp: 175534

Ion Ratio Lower Upper

113 100

111 102.6 80.5 120.7

192 17.7 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.800 ug/l

RT: 8.218 min Scan# 1048

Delta R.T. -0.159 min

Lab File: VN075281.D

Acq: 15 Nov 2022 14:09

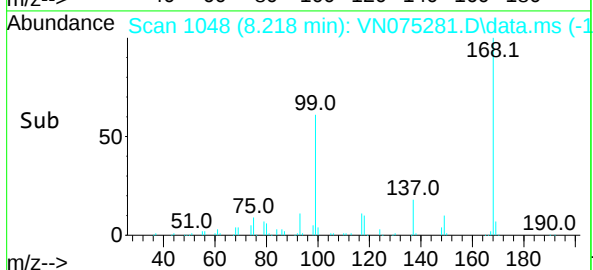
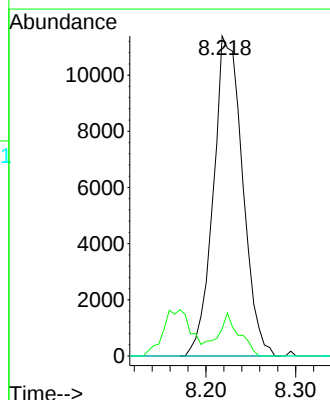
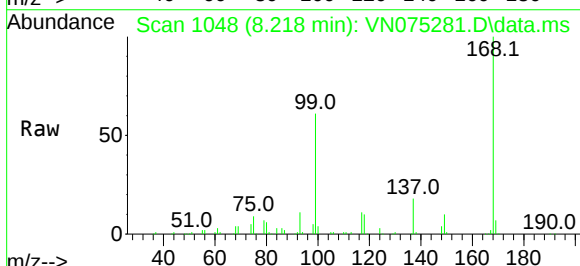
Tgt Ion: 75 Resp: 25712

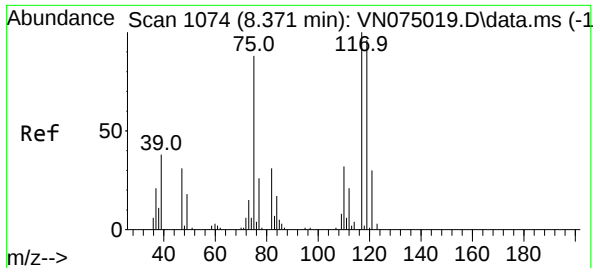
Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 24.6 37.0#

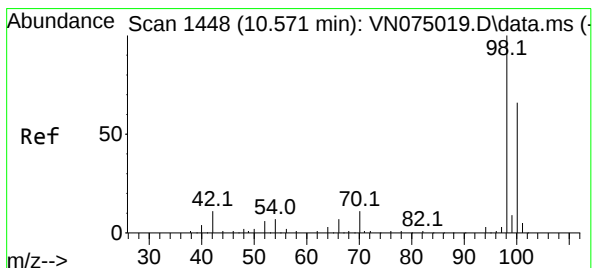
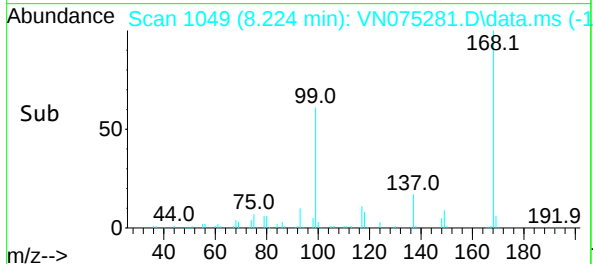
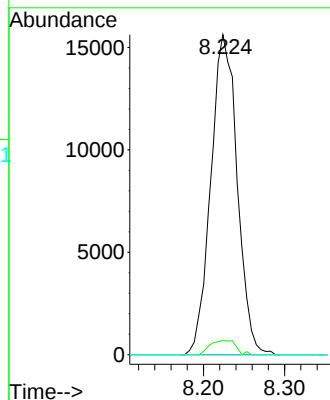
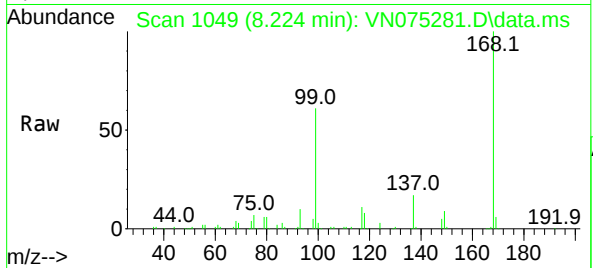




#38
Carbon Tetrachloride
Concen: 5.986 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

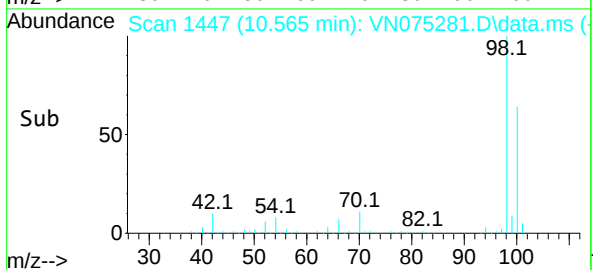
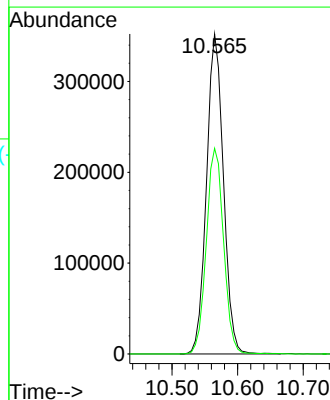
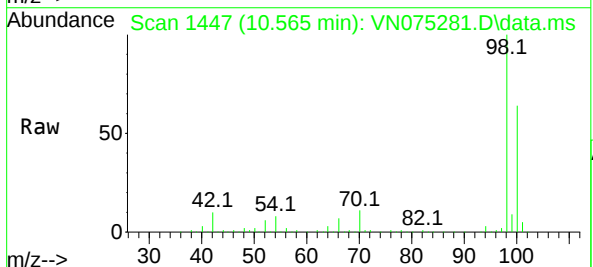
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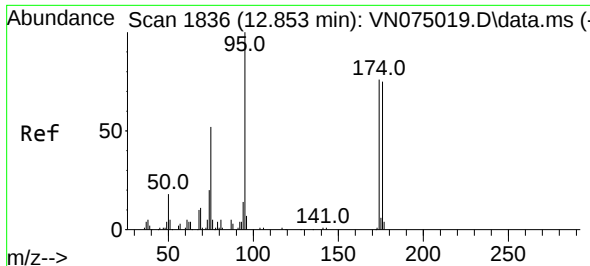
Tgt Ion:117 Resp: 35269
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.121 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Tgt Ion: 98 Resp: 632502
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6

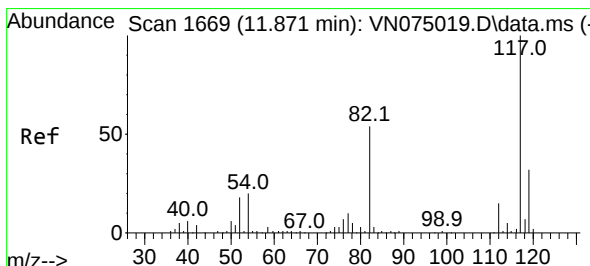
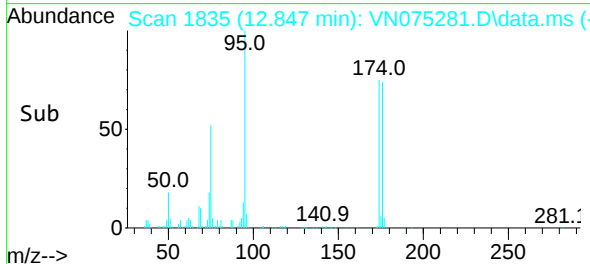
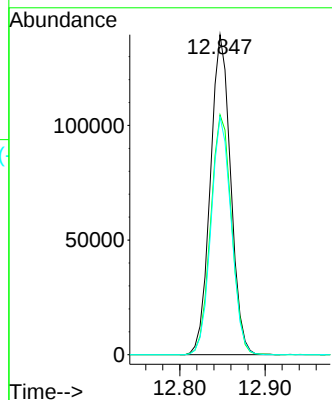
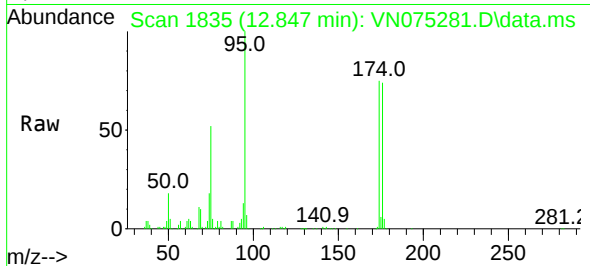




#62
4-Bromofluorobenzene
Concen: 49.064 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

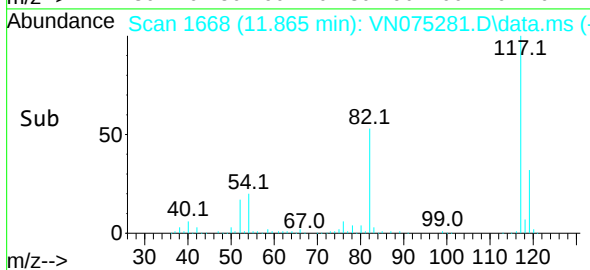
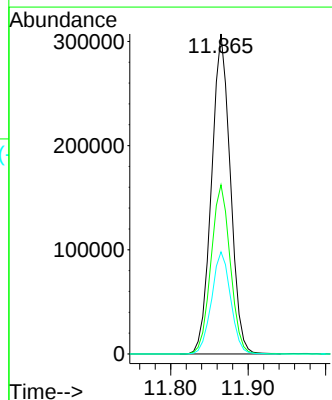
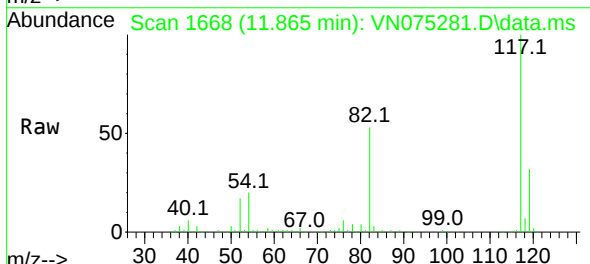
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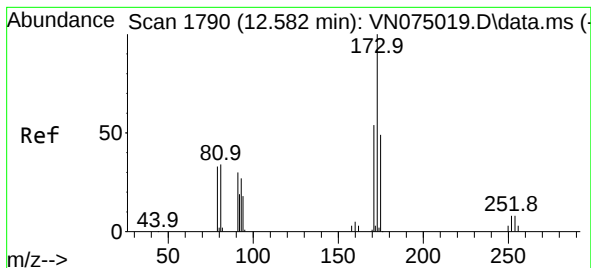
Tgt Ion: 95 Resp: 231348
Ion Ratio Lower Upper
95 100
174 76.9 0.0 147.4
176 74.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Tgt Ion: 117 Resp: 518515
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 31.9 25.5 38.3





#71

Bromoform

Concen: 0.596 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN075281.D

Acq: 15 Nov 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

CLI-0116RE

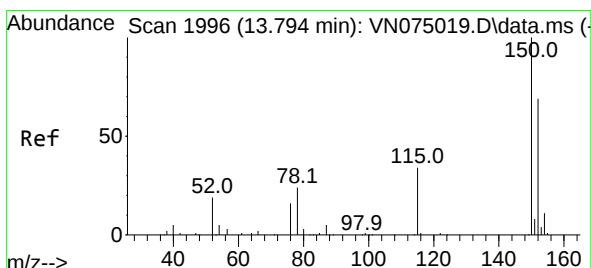
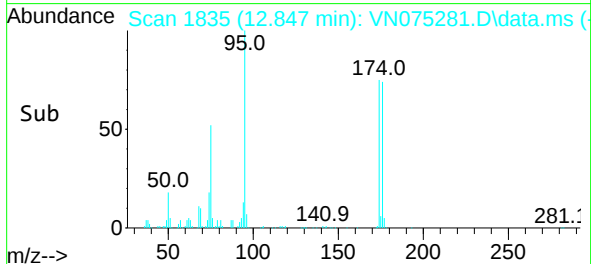
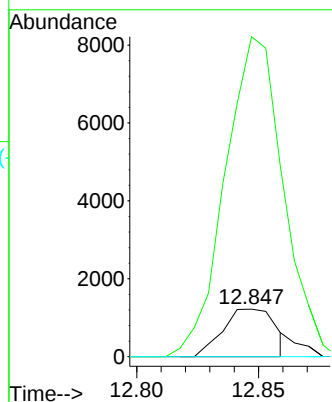
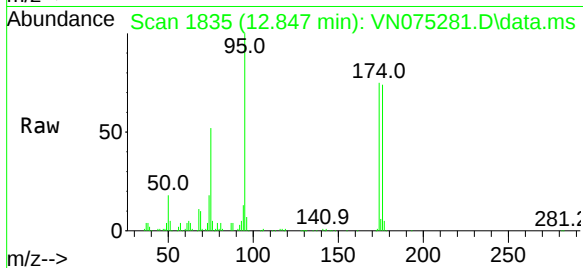
Tgt Ion:173 Resp: 1832

Ion Ratio Lower Upper

173 100

175 666.7 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1995

Delta R.T. -0.006 min

Lab File: VN075281.D

Acq: 15 Nov 2022 14:09

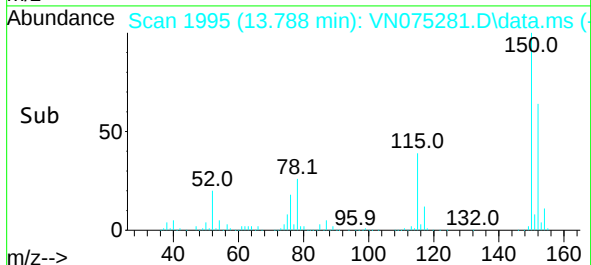
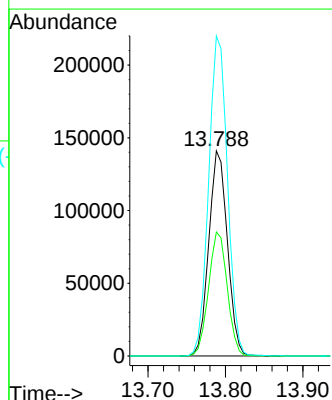
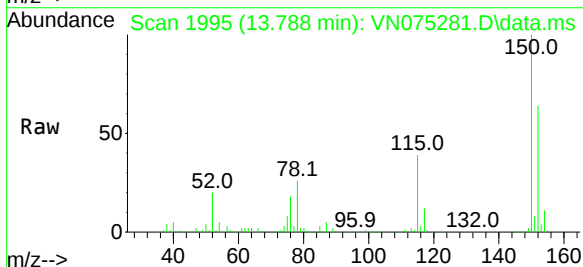
Tgt Ion:152 Resp: 235414

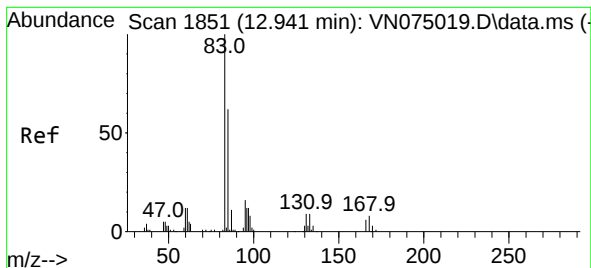
Ion Ratio Lower Upper

152 100

115 60.6 30.2 90.6

150 157.4 0.0 348.4





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.841 min Scan# 1834

Delta R.T. -0.100 min

Lab File: VN075281.D

Acq: 15 Nov 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

CLI-0116RE

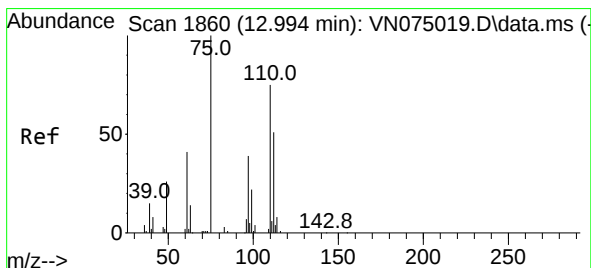
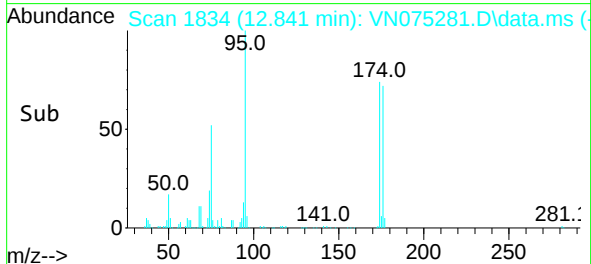
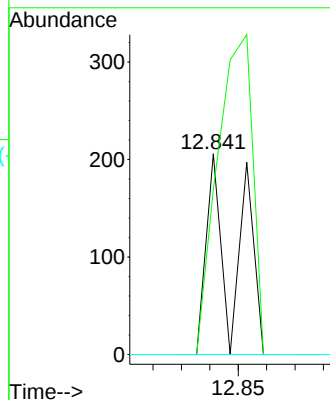
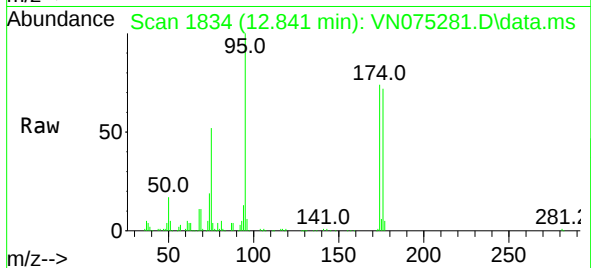
Tgt Ion: 83 Resp: 142

Ion Ratio Lower Upper

83 100

131 198.6 5.1 15.3#

85 0.0 31.6 94.7#



#76

1,2,3-Trichloropropane

Concen: 23.860 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075281.D

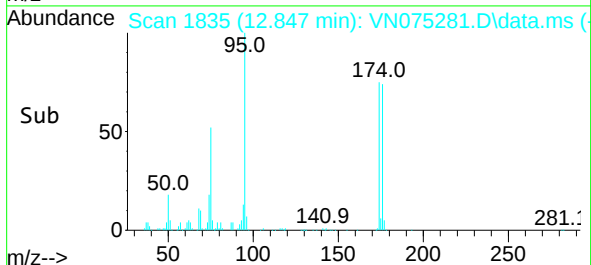
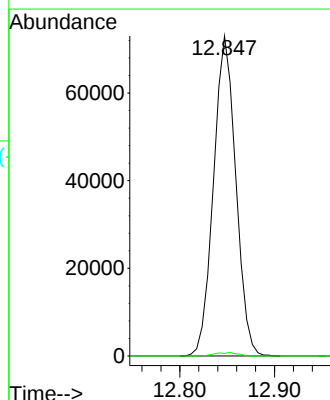
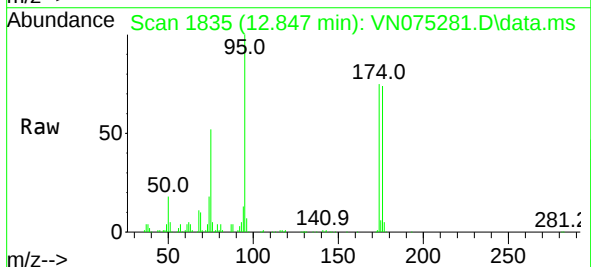
Acq: 15 Nov 2022 14:09

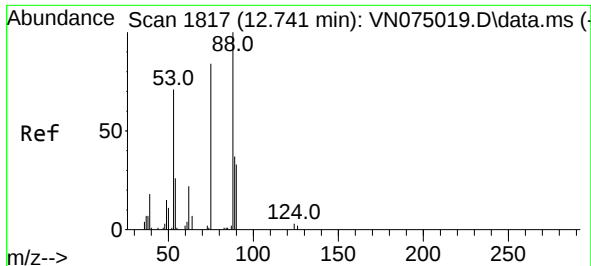
Tgt Ion: 75 Resp: 119262

Ion Ratio Lower Upper

75 100

77 1.1 75.6 226.8#

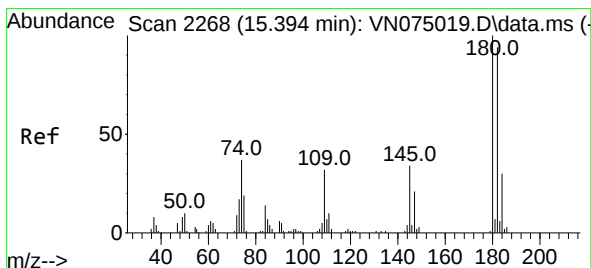
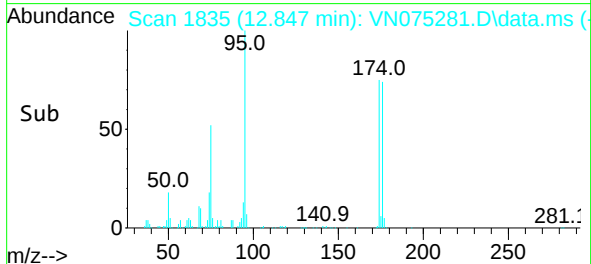
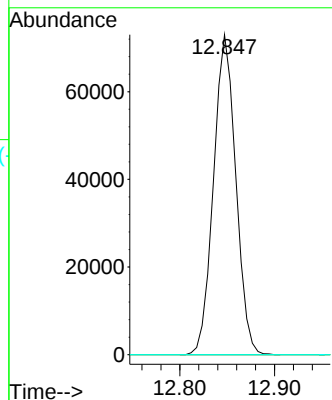
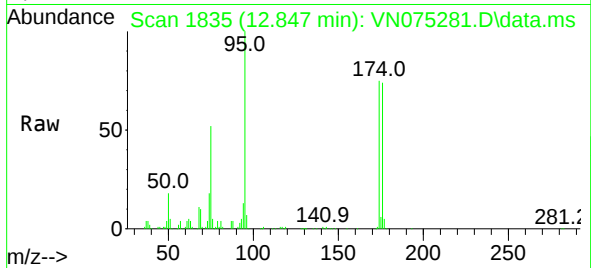




#81
trans-1,4-Dichloro-2-butene
Concen: 61.248 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

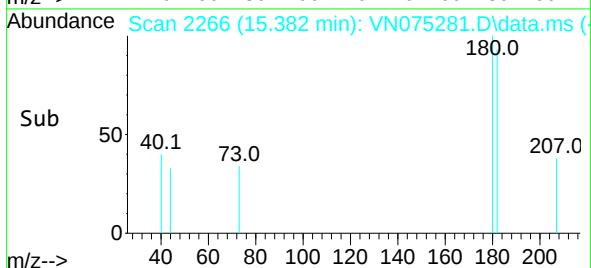
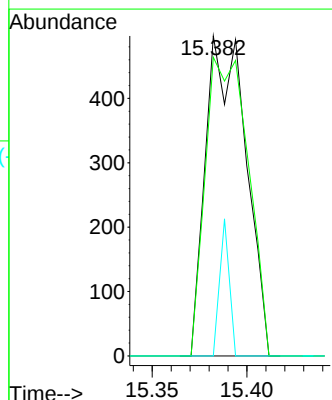
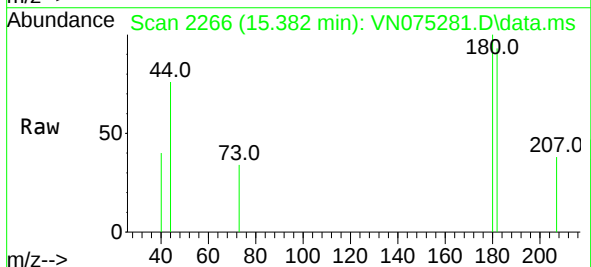
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116RE

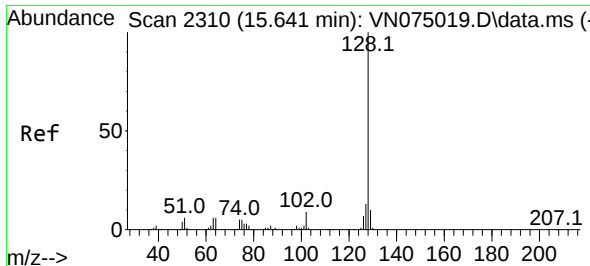
Tgt Ion: 75 Resp: 119262
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.210 ug/l
RT: 15.382 min Scan# 2266
Delta R.T. -0.012 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Tgt Ion:180 Resp: 732
Ion Ratio Lower Upper
180 100
182 99.6 47.8 143.4
145 10.2 16.8 50.3#

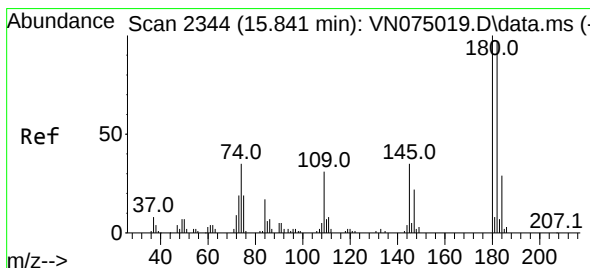
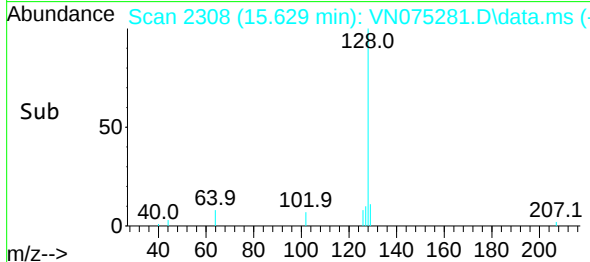
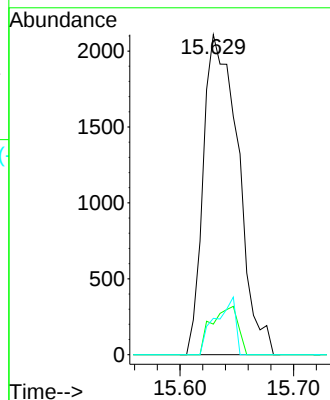
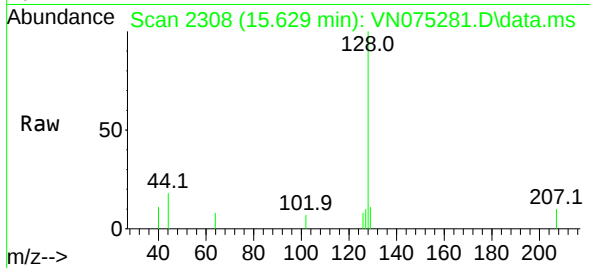




#95
Naphthalene
Concen: 0.335 ug/l
RT: 15.629 min Scan# 2308
Delta R.T. -0.012 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Instrument :
MSVOA_N
ClientSampleId :
CLI-0116RE

Tgt Ion:128	Resp:	4484
Ion	Ratio	Lower Upper
128	100	
127	11.5	10.4 15.6
129	10.6	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.264 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN075281.D
Acq: 15 Nov 2022 14:09

Tgt Ion:180	Resp:	915
Ion	Ratio	Lower Upper
180	100	
182	89.1	47.3 141.8
145	14.8	17.6 52.9#

