

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073656.D
 Acq On : 01 Aug 2022 13:41
 Operator : JC\MD
 Sample : N3977-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MS-TOTE-0729

Quant Time: Aug 02 05:00:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

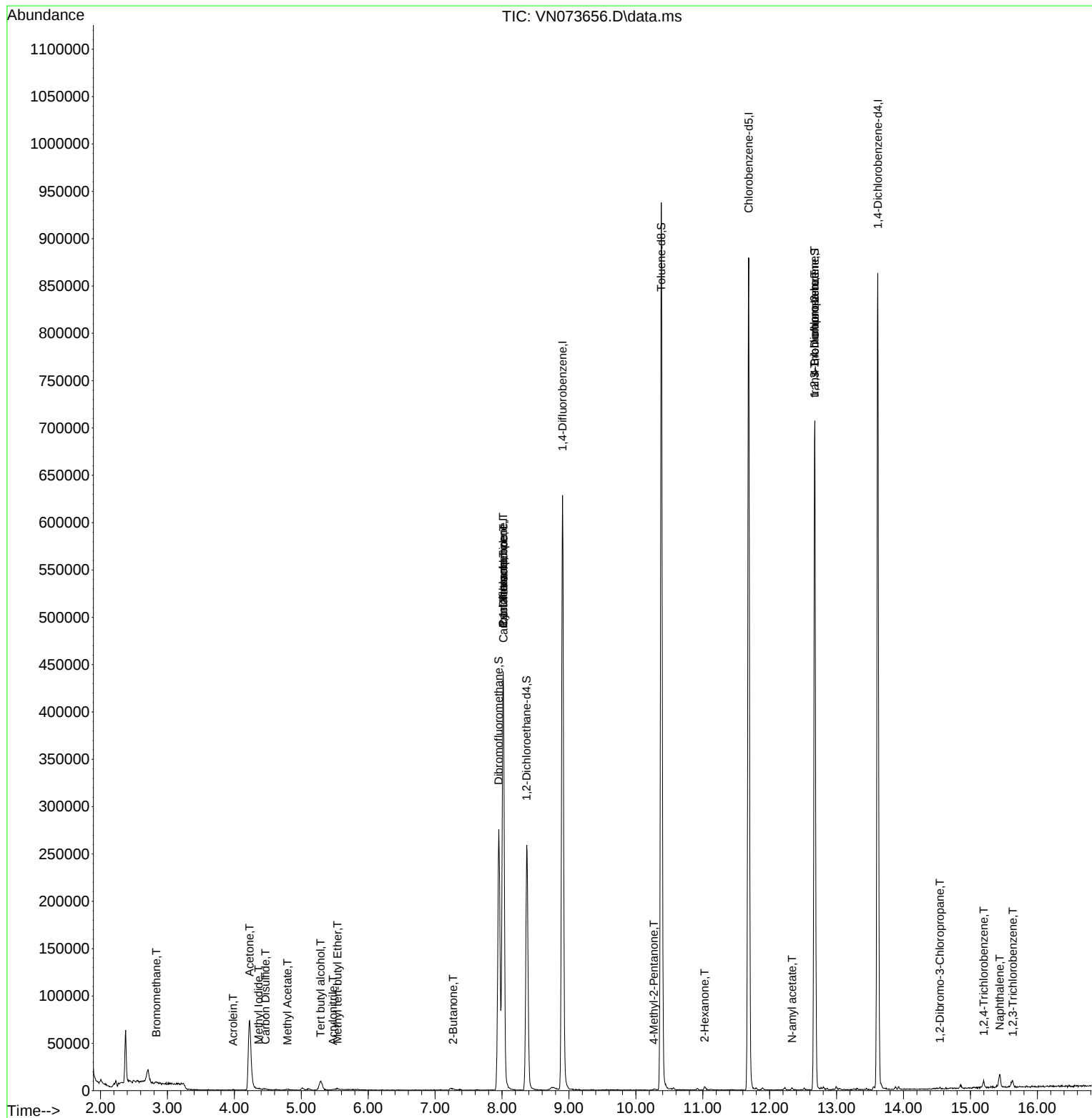
Internal Standards						
1) Pentafluorobenzene	8.016	168	370440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	578816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	538261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	247728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	214193	47.447	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.900%		
35) Dibromofluoromethane	7.951	113	199200	54.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.620%		
50) Toluene-d8	10.381	98	656483	45.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.800%		
62) 4-Bromofluorobenzene	12.674	95	233912	49.119	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.240%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	948	Below Cal		96
5) Bromomethane	2.834	94	1624	0.446 ug/l		86
6) Chloroethane	2.957	64	59	Below Cal	#	42
10) Methyl Iodide	4.363	142	899	0.247 ug/l	#	44
11) Tert butyl alcohol	5.287	59	16721	17.174 ug/l		96
13) Acrolein	3.981	56	271	0.281 ug/l	#	80
15) Acrylonitrile	5.475	53	577	0.214 ug/l	#	22
16) Acetone	4.228	43	136568	56.323 ug/l		98
17) Carbon Disulfide	4.463	76	1931	0.207 ug/l	#	75
18) Methyl Acetate	4.793	43	2369	0.393 ug/l	#	58
19) Methyl tert-butyl Ether	5.540	73	2641	0.220 ug/l		96
20) Methylene Chloride	5.016	84	1897	Below Cal	#	94
25) 2-Butanone	7.269	43	2151	0.571 ug/l	#	45
31) Cyclohexane	8.016	56	6995	1.041 ug/l	#	13
36) 1,1-Dichloropropene	8.016	75	26809	5.175 ug/l	#	49
38) Carbon Tetrachloride	8.022	117	35047	6.661 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.269	43	1726	0.261 ug/l	#	65
59) 2-Hexanone	11.028	43	3191	0.637 ug/l		80
74) N-amyl acetate	12.333	43	1509	0.220 ug/l	#	72
76) 1,2,3-Trichloropropane	12.669	75	120821	25.012 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.669	75	120821	63.205 ug/l	#	10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	474	0.337 ug/l		74
93) 1,2,4-Trichlorobenzene	15.198	180	3033	0.699 ug/l		88
95) Naphthalene	15.439	128	16157	1.148 ug/l		96
96) 1,2,3-Trichlorobenzene	15.633	180	3526	0.772 ug/l		88

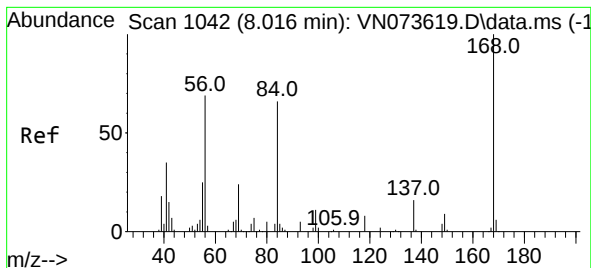
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 02 05:00:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

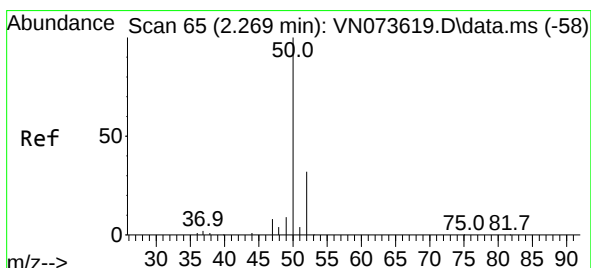
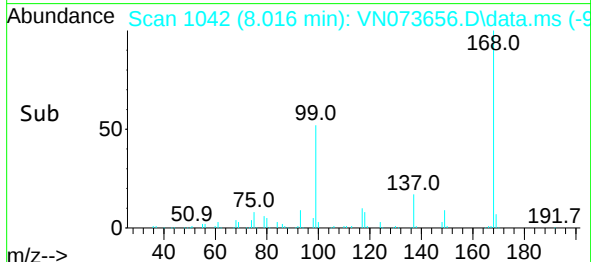
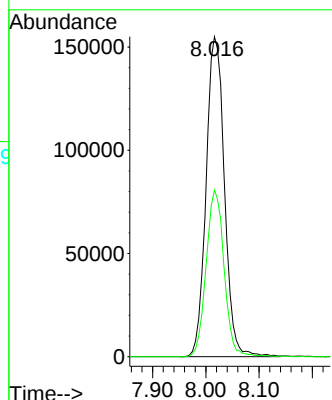
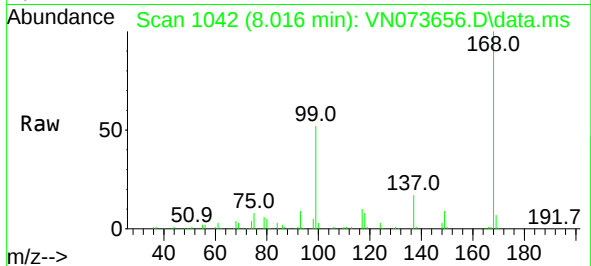




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

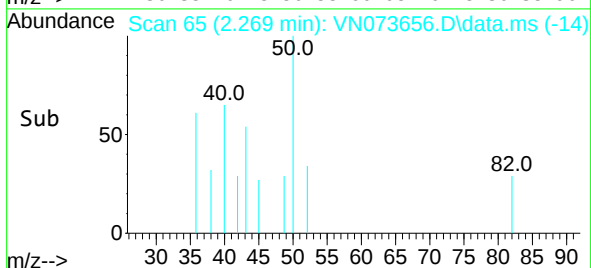
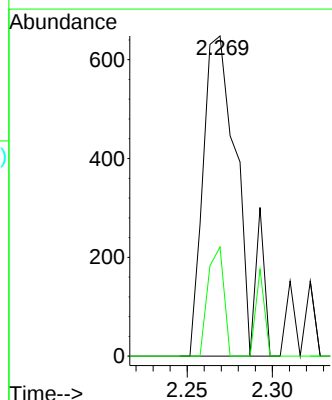
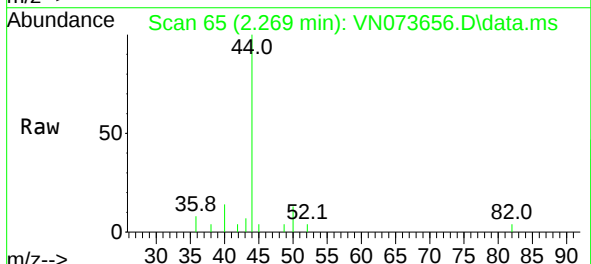
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

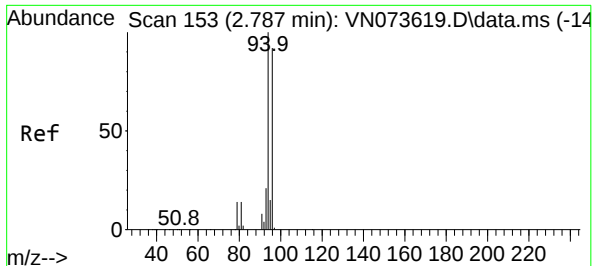
Tgt Ion:168 Resp: 370440
Ion Ratio Lower Upper
168 100
99 52.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 50 Resp: 948
Ion Ratio Lower Upper
50 100
52 34.1 25.7 38.5

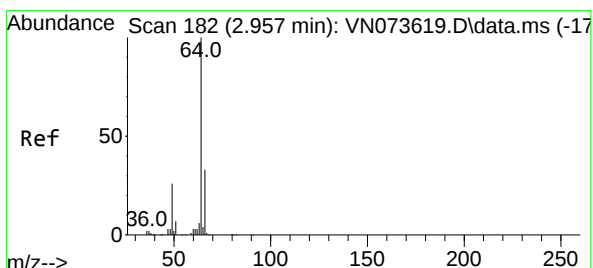
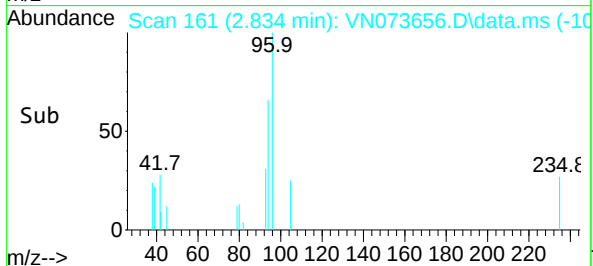
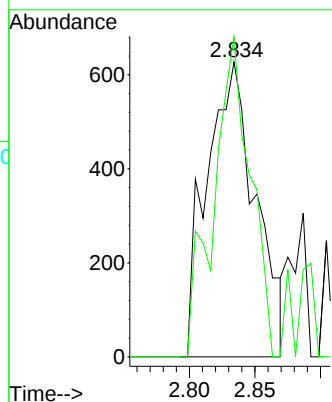
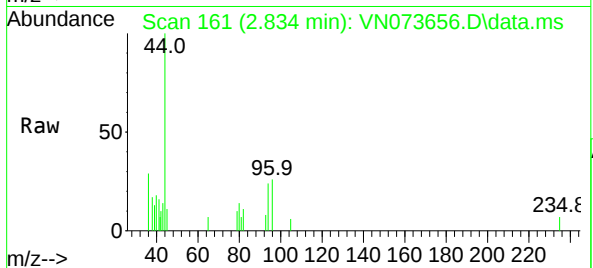




#5
Bromomethane
Concen: 0.446 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

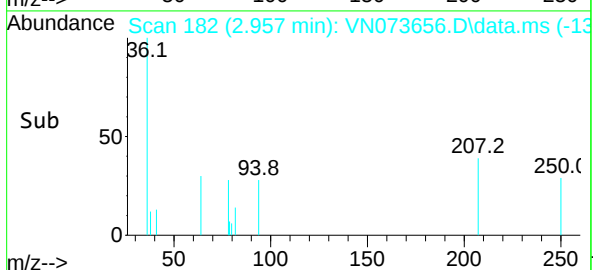
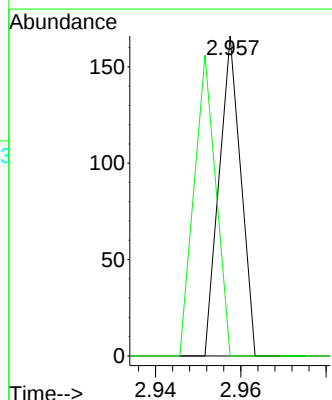
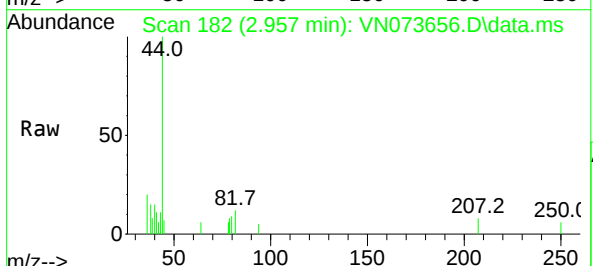
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

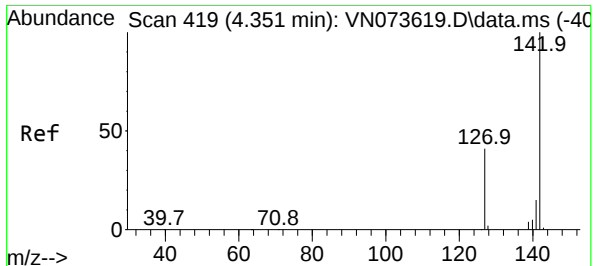
Tgt Ion: 94 Resp: 1624
Ion Ratio Lower Upper
94 100
96 108.6 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 182
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

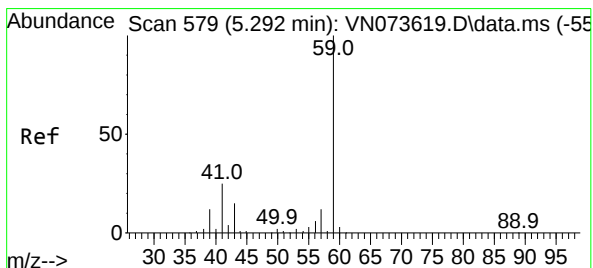
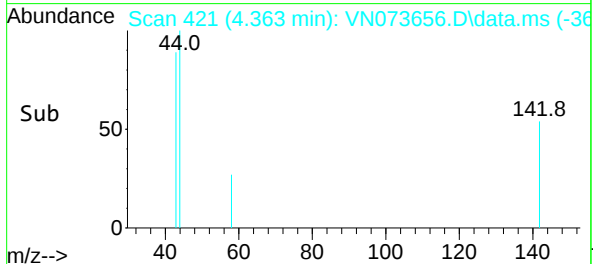
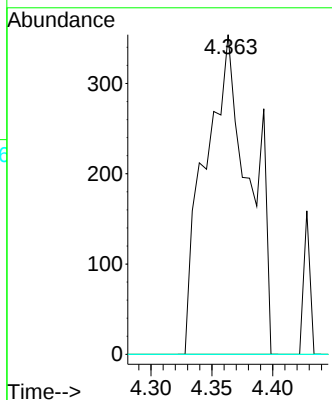
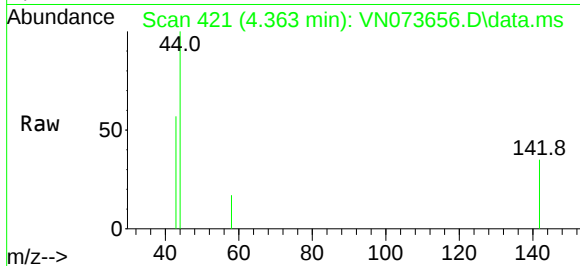




#10
Methyl Iodide
Concen: 0.247 ug/l
RT: 4.363 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

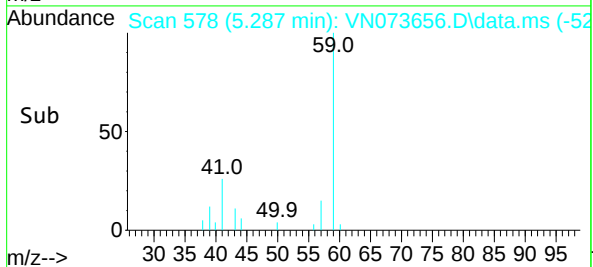
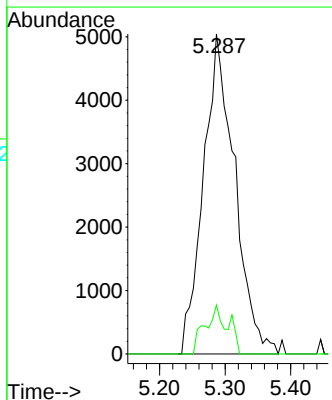
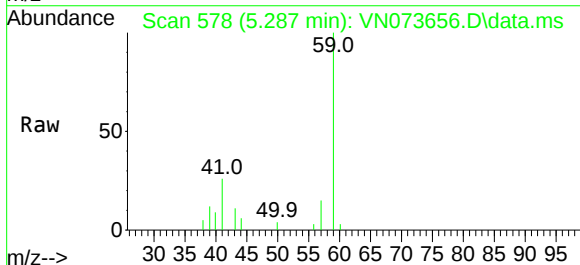
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

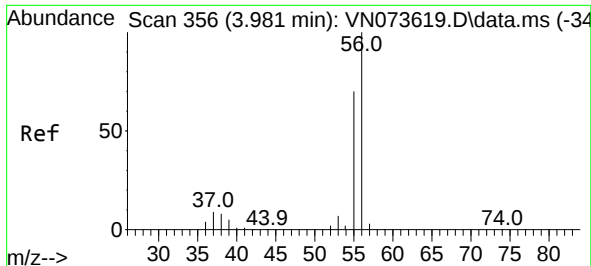
Tgt Ion:142 Resp: 899
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 17.174 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

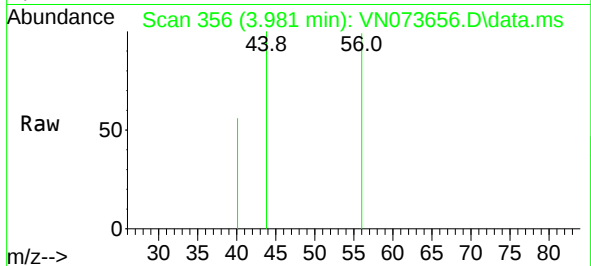
Tgt Ion: 59 Resp: 16721
Ion Ratio Lower Upper
59 100
57 9.1 8.3 12.5



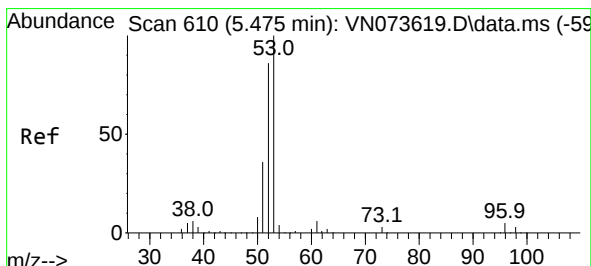
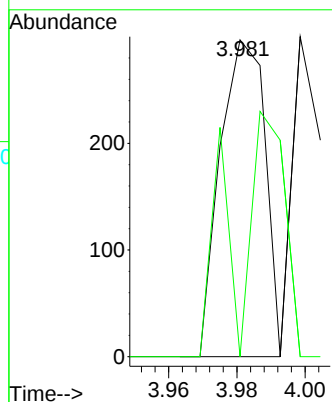
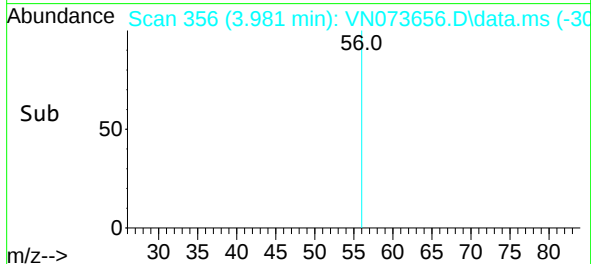


#13
Acrolein
Concen: 0.281 ug/l
RT: 3.981 min Scan# 356
Delta R.T. -0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

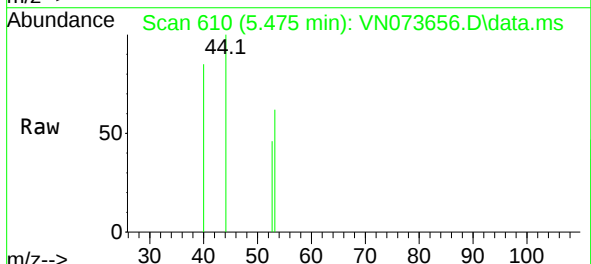
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729



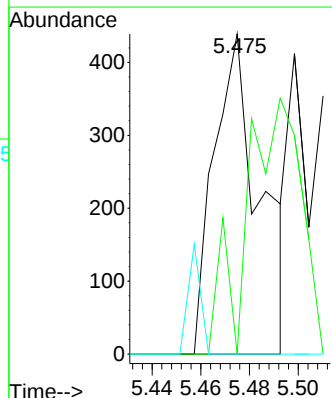
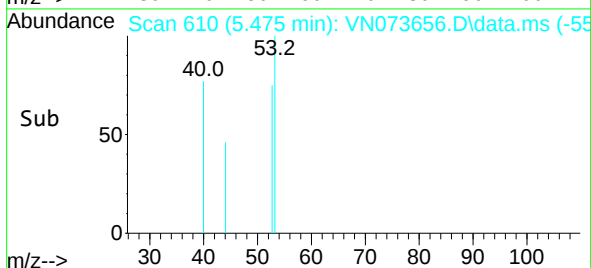
Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 84.5 54.8 82.2#

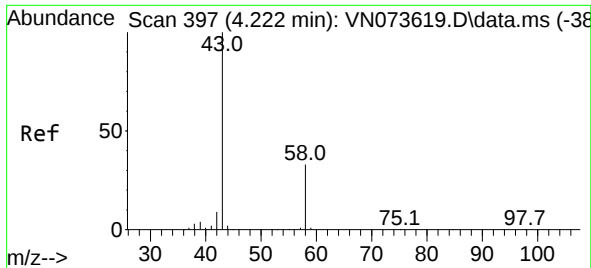


#15
Acrylonitrile
Concen: 0.214 ug/l
RT: 5.475 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41



Tgt Ion: 53 Resp: 577
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 9.2 28.5 42.7#





#16

Acetone

Concen: 56.323 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN073656.D

Acq: 01 Aug 2022 13:41

Instrument :

MSVOA_N

ClientSampleId :

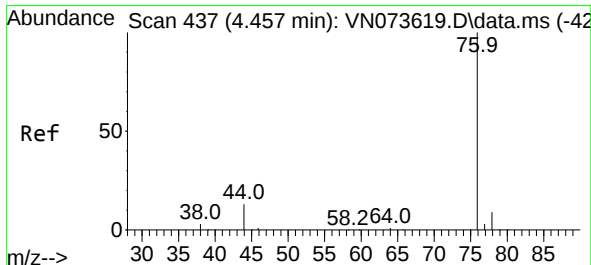
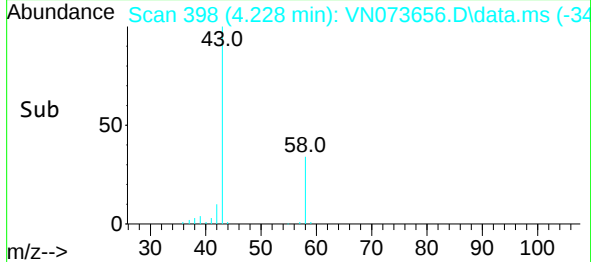
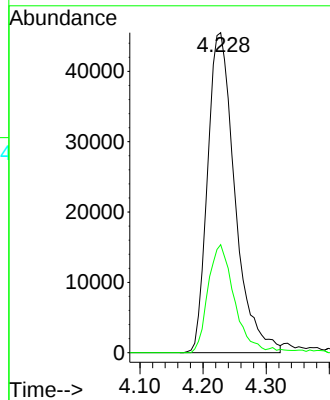
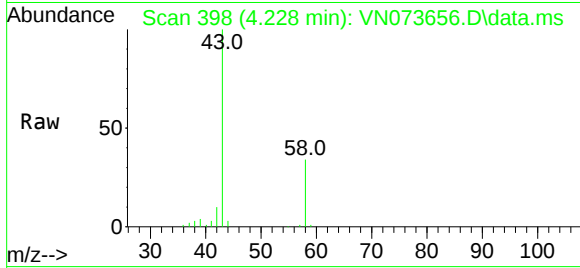
MS-TOTE-0729

Tgt Ion: 43 Resp: 136568

Ion Ratio Lower Upper

43 100

58 33.7 26.0 39.0



#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 4.463 min Scan# 438

Delta R.T. 0.006 min

Lab File: VN073656.D

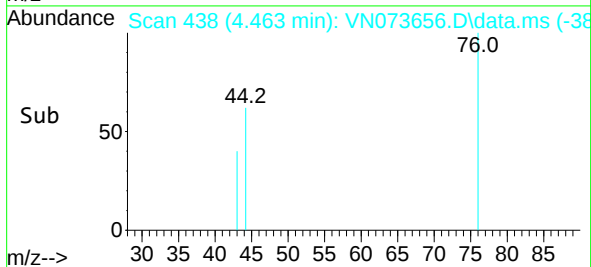
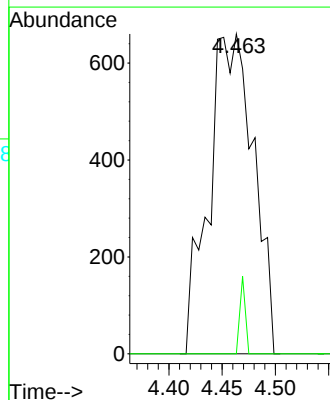
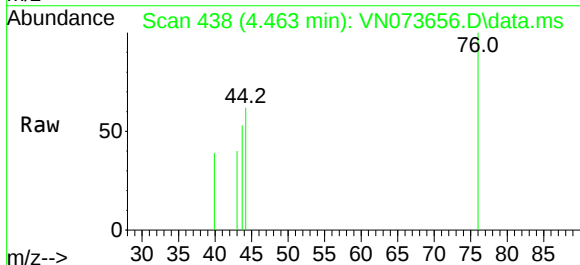
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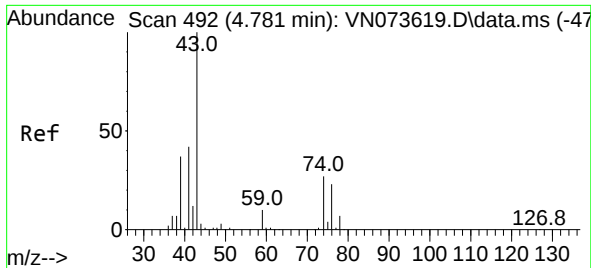
Tgt Ion: 76 Resp: 1931

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

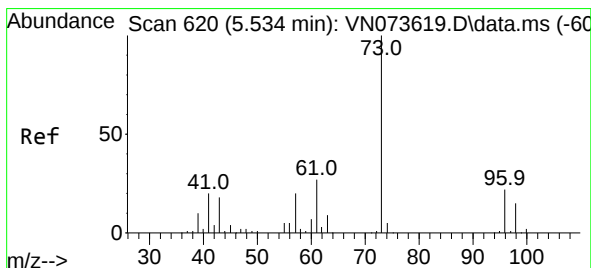
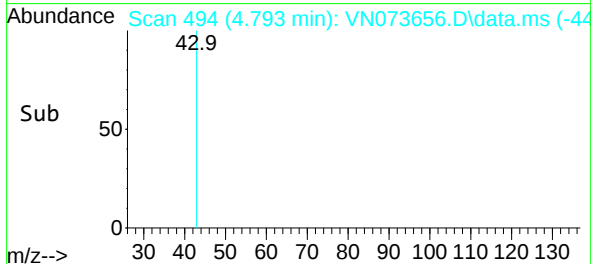
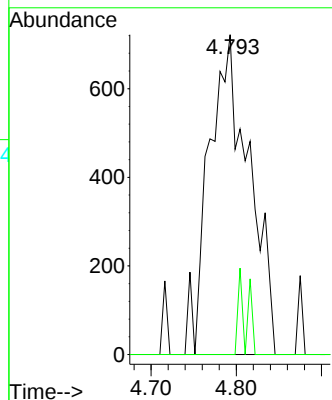
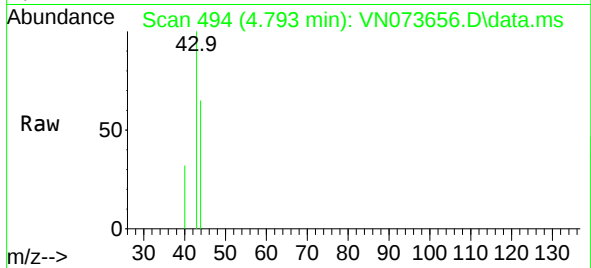




#18
Methyl Acetate
Concen: 0.393 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

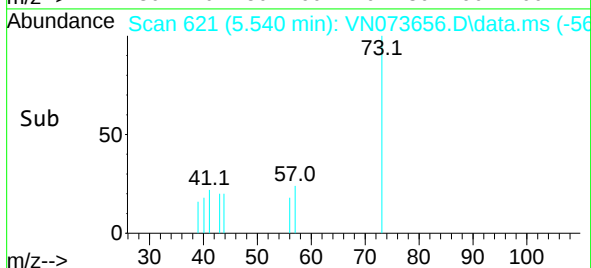
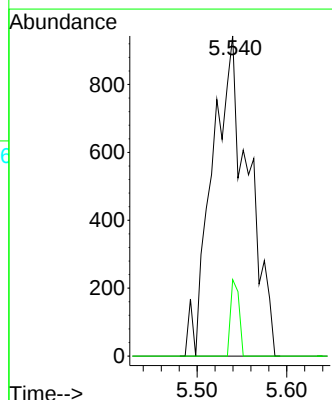
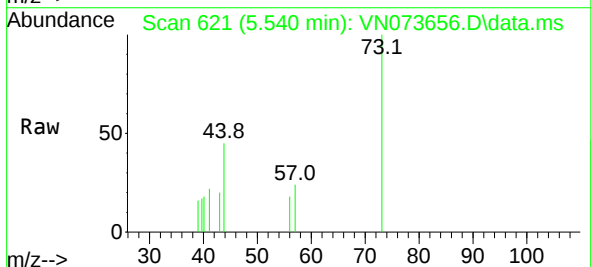
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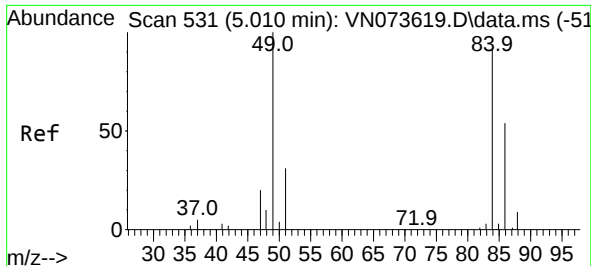
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
74 5.4 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.220 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.006 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 73 Resp: 2641
Ion Ratio Lower Upper
73 100
57 23.9 17.6 26.4





#20

Methylene Chloride

Concen: Below Cal

RT: 5.016 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073656.D

Acq: 01 Aug 2022 13:41

Instrument :

MSVOA_N

ClientSampleId :

MS-TOTE-0729

Tgt Ion: 84 Resp: 1897

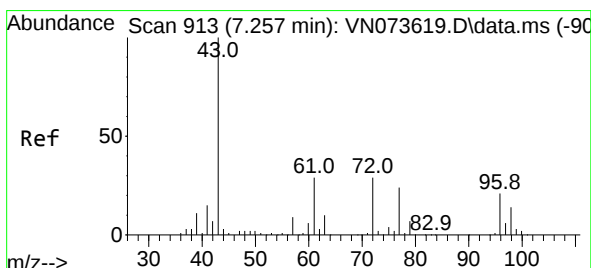
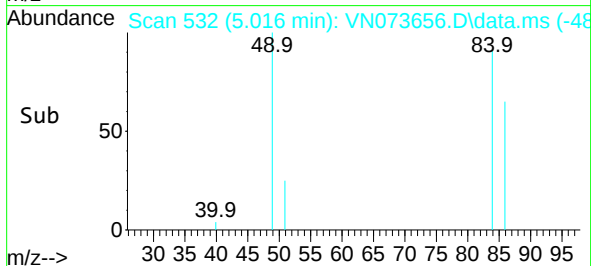
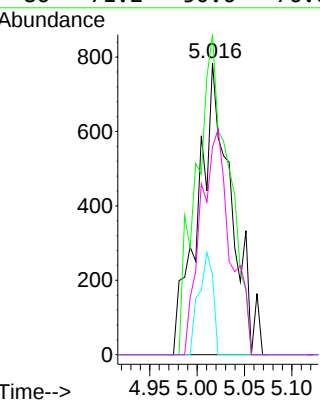
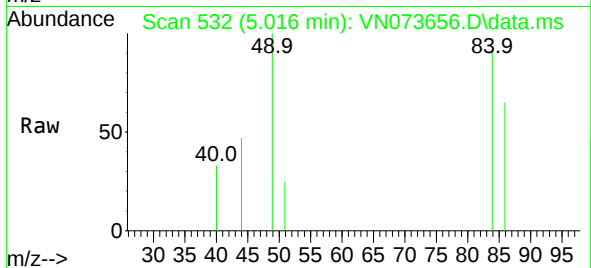
Ion Ratio Lower Upper

84 100

49 109.7 88.3 132.5

51 27.4 28.2 42.2#

86 71.2 50.6 76.0



#25

2-Butanone

Concen: 0.571 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN073656.D

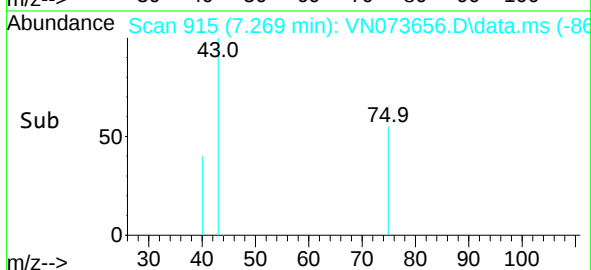
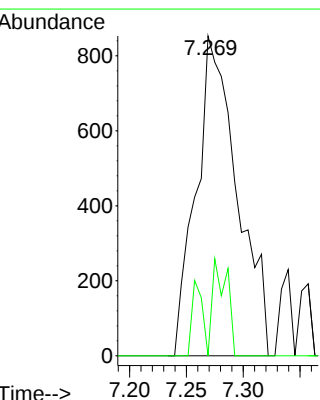
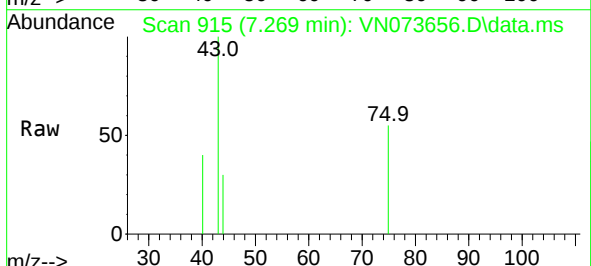
Acq: 01 Aug 2022 13:41

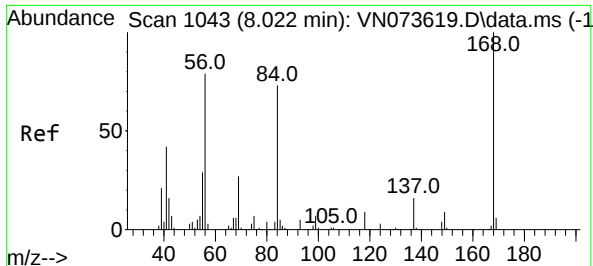
Tgt Ion: 43 Resp: 2151

Ion Ratio Lower Upper

43 100

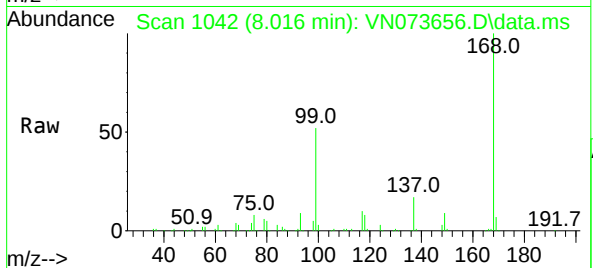
72 0.0 23.7 35.5#



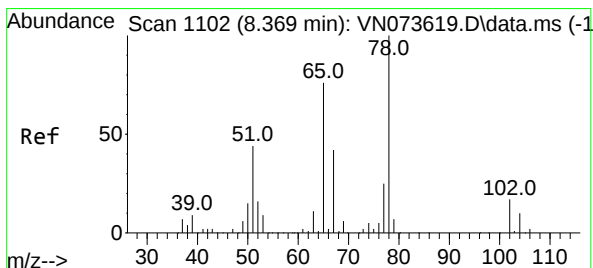
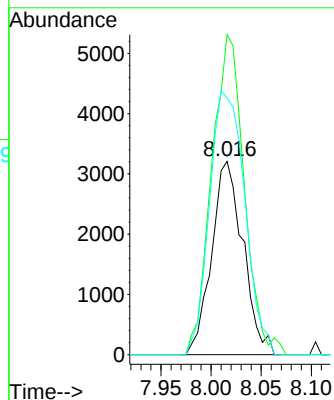
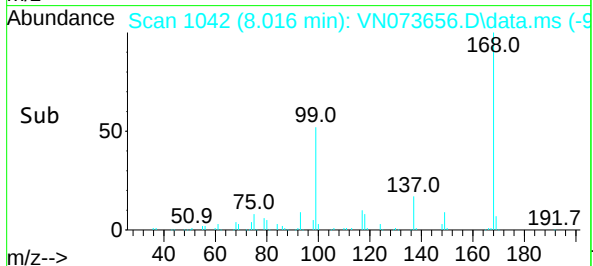


#31
Cyclohexane
Concen: 1.041 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

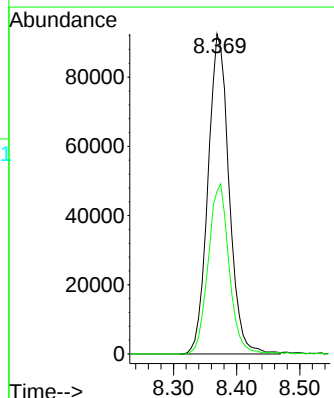
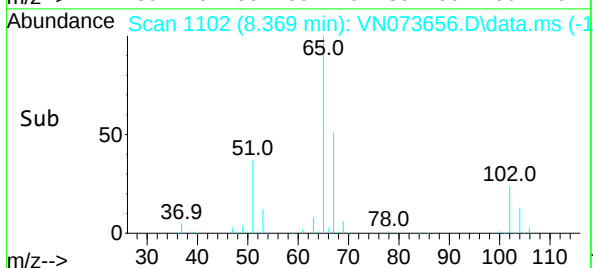
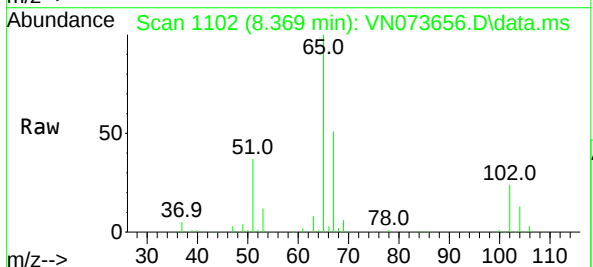


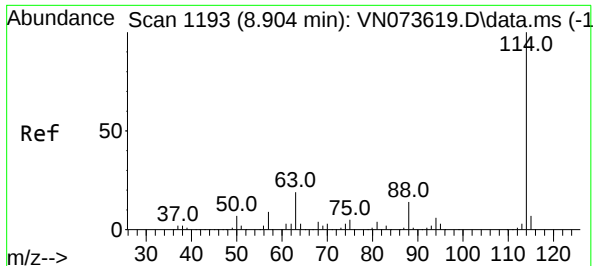
Tgt Ion: 56 Resp: 6995
Ion Ratio Lower Upper
56 100
69 165.5 27.8 41.8#
84 132.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.447 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 65 Resp: 214193
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073656.D

Acq: 01 Aug 2022 13:41

Instrument :

MSVOA_N

ClientSampleId :

MS-TOTE-0729

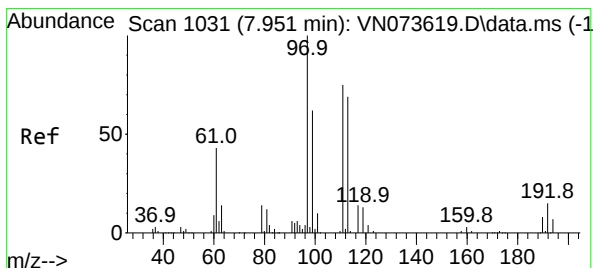
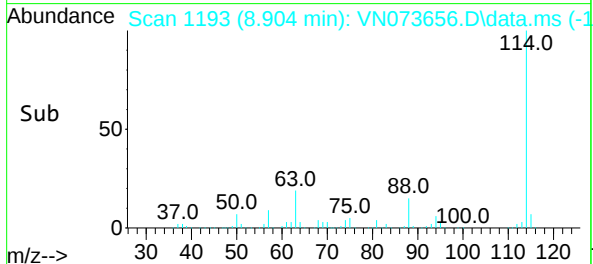
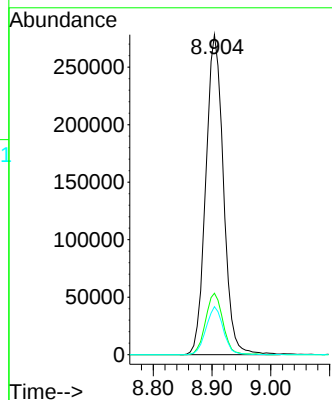
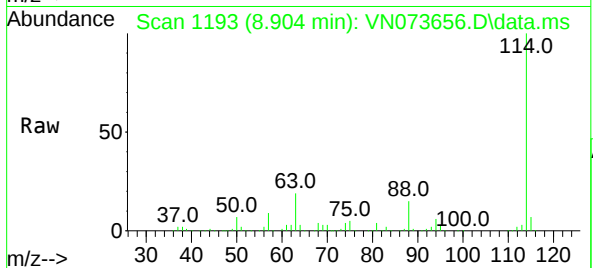
Tgt Ion:114 Resp: 578816

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.807 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073656.D

Acq: 01 Aug 2022 13:41

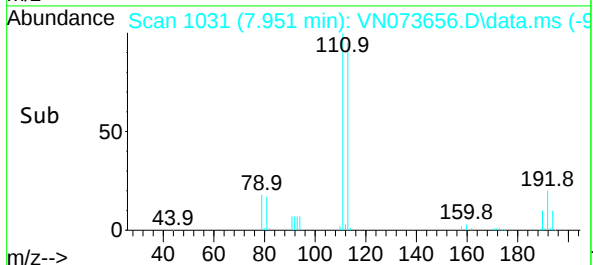
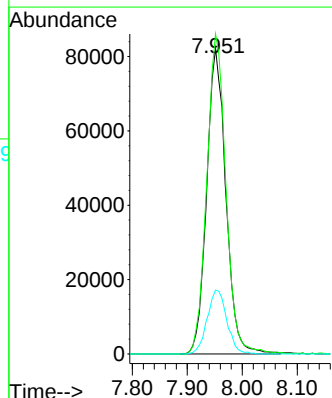
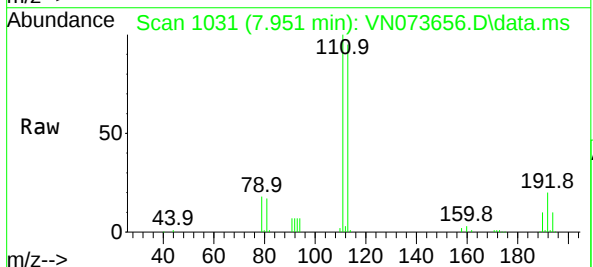
Tgt Ion:113 Resp: 199200

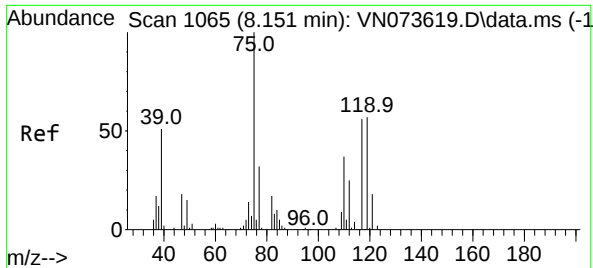
Ion Ratio Lower Upper

113 100

111 104.8 81.4 122.0

192 21.4 17.0 25.6

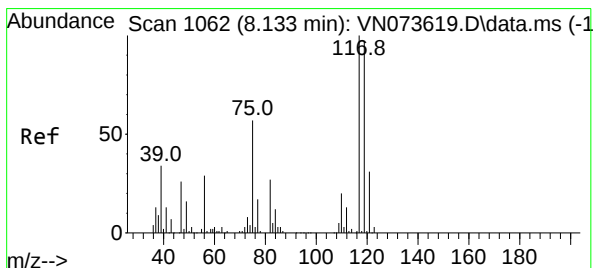
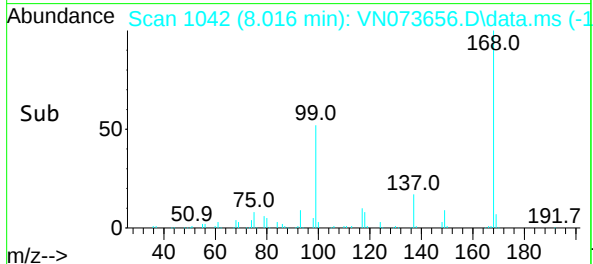
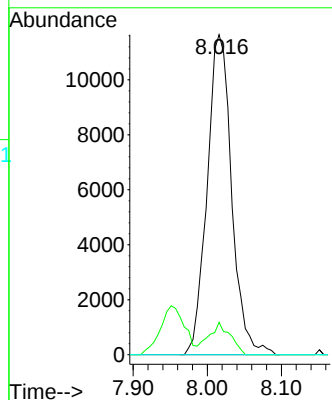
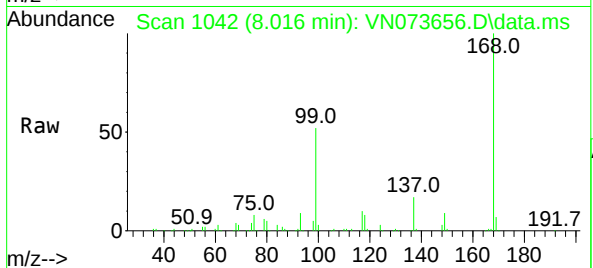




#36
1,1-Dichloropropene
Concen: 5.175 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

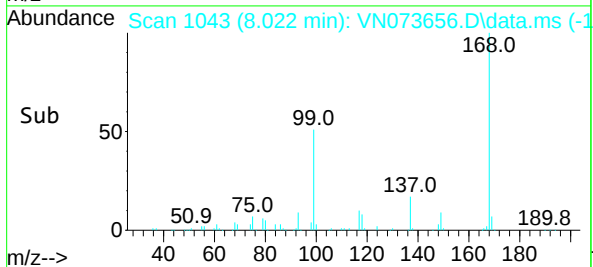
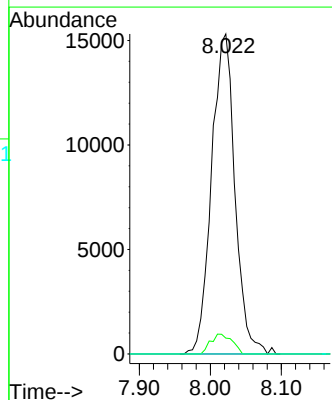
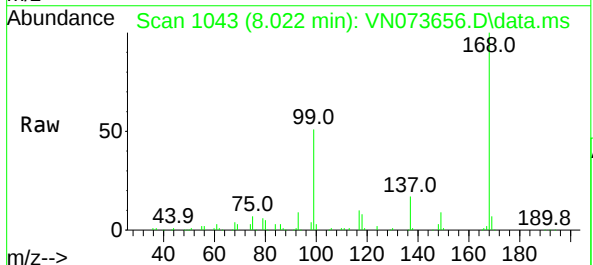
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

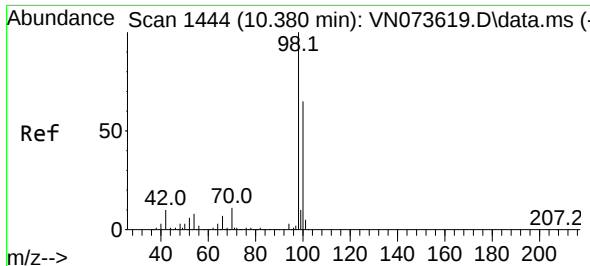
Tgt Ion: 75 Resp: 26809
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.661 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 117 Resp: 35047
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#

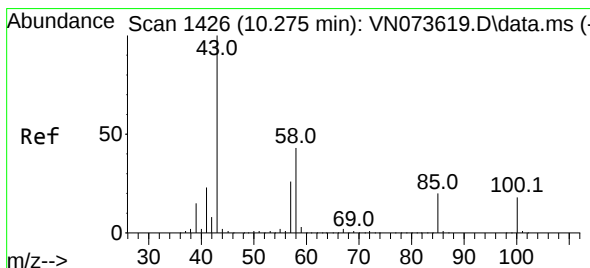
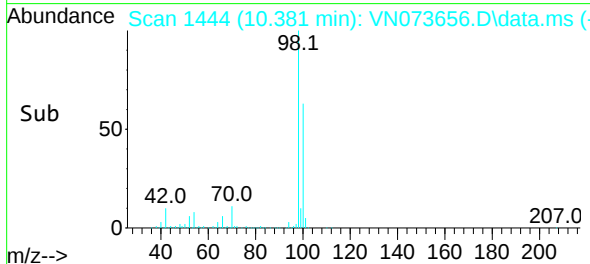
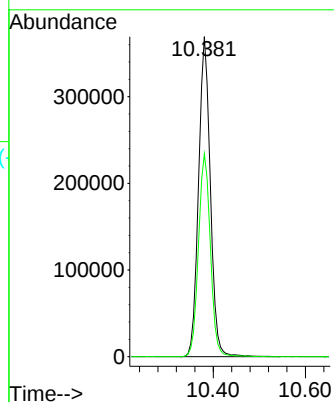
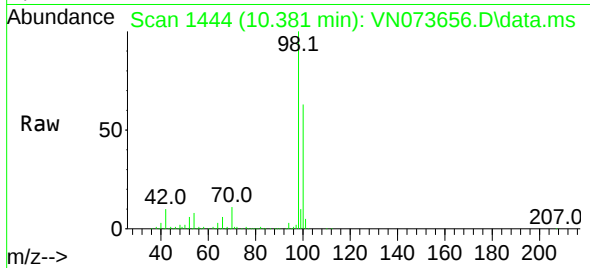




#50
Toluene-d8
Concen: 45.900 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

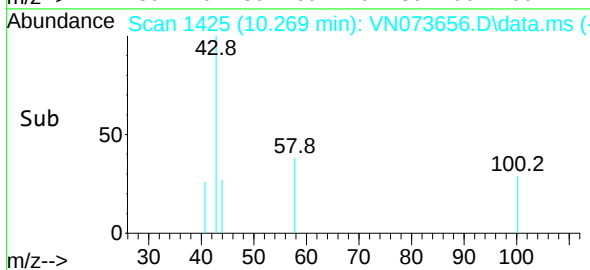
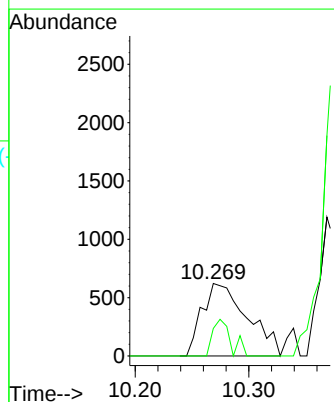
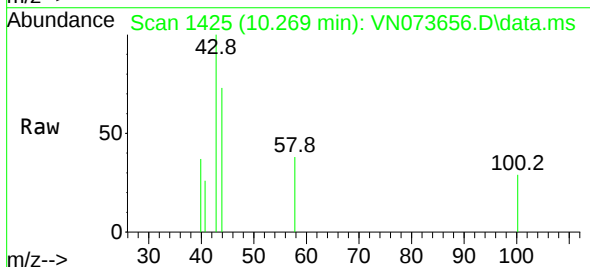
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

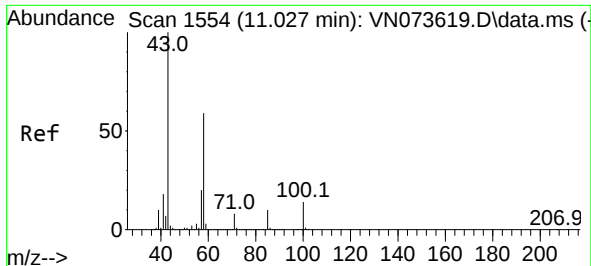
Tgt Ion: 98 Resp: 656483
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.261 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
58 20.0 34.1 51.1#

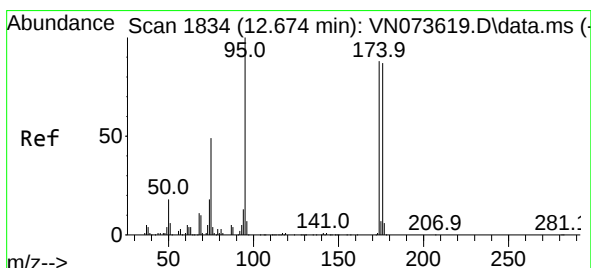
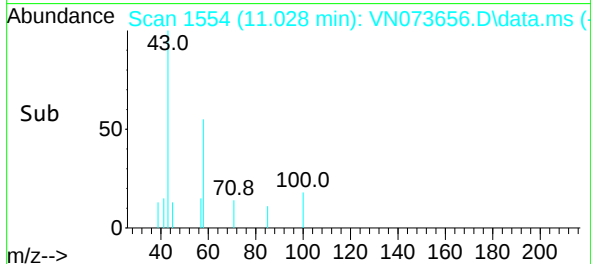
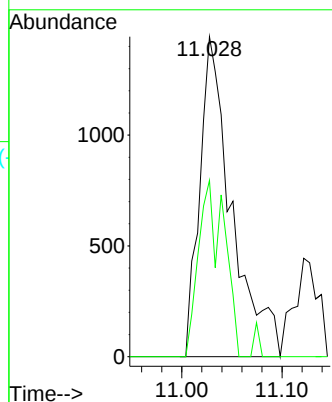
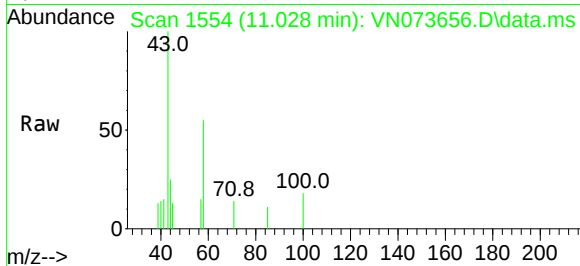




#59
2-Hexanone
Concen: 0.637 ug/l
RT: 11.028 min Scan# 1154
Delta R.T. 0.001 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

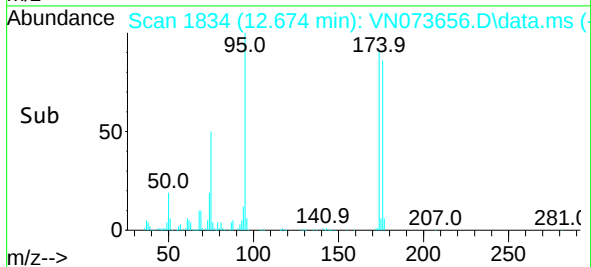
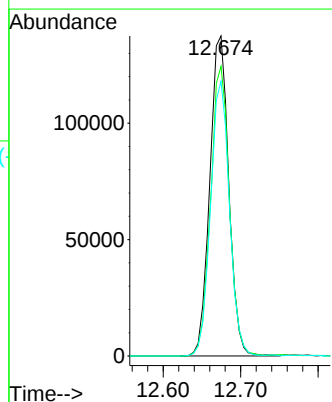
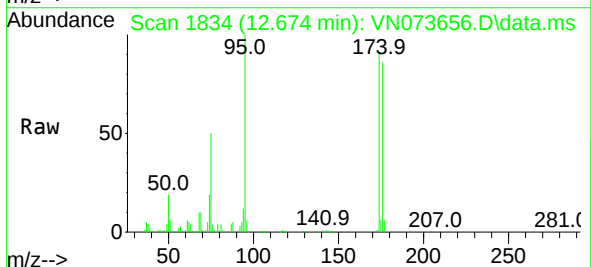
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

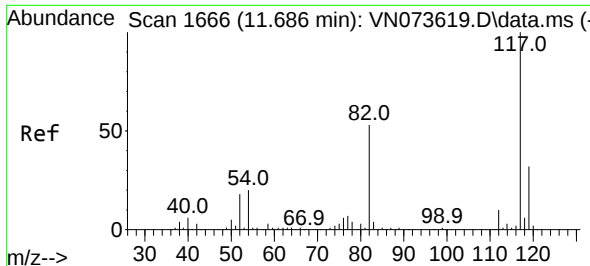
Tgt Ion: 43 Resp: 3191
Ion Ratio Lower Upper
43 100
58 44.6 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.119 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 95 Resp: 233912
Ion Ratio Lower Upper
95 100
174 89.7 0.0 167.6
176 85.3 0.0 163.4

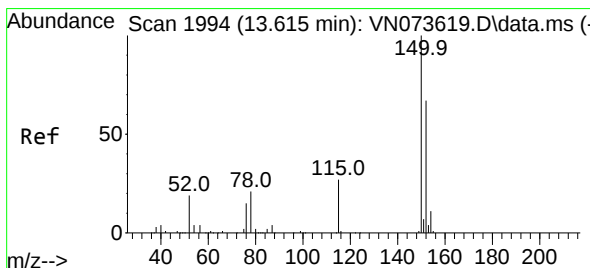
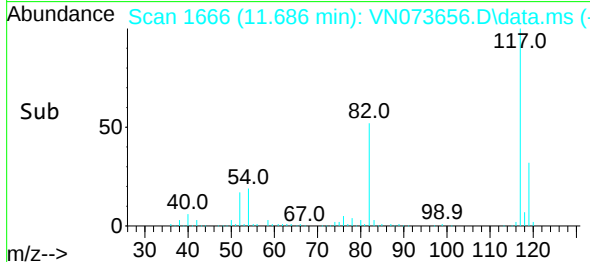
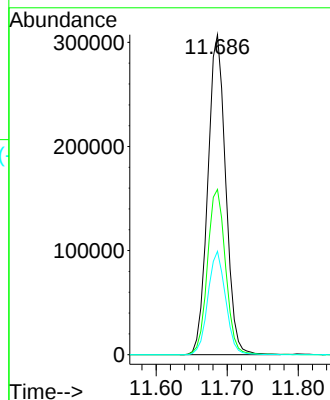
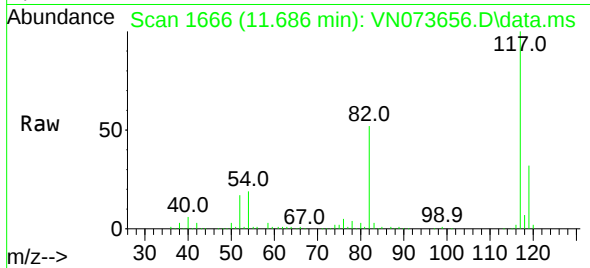




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

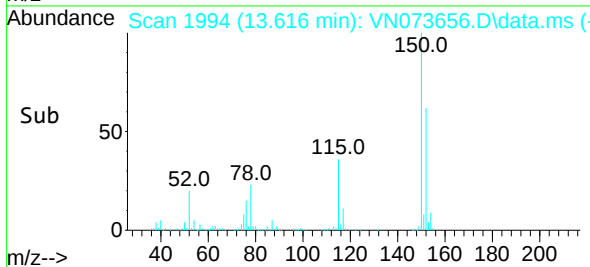
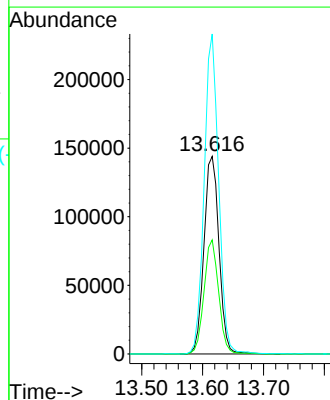
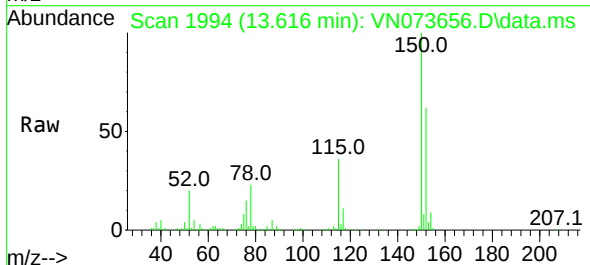
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

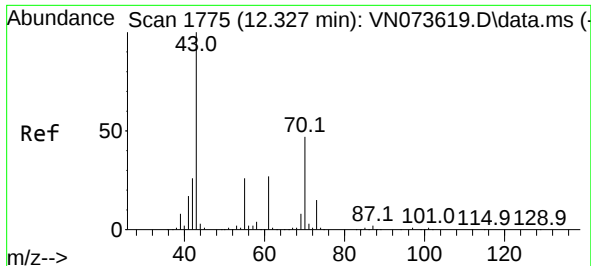
Tgt Ion:117 Resp: 538261
Ion Ratio Lower Upper
117 100
82 51.7 44.2 66.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion:152 Resp: 247728
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.7
150 155.2 0.0 356.2

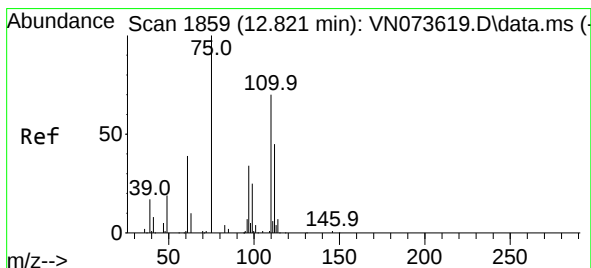
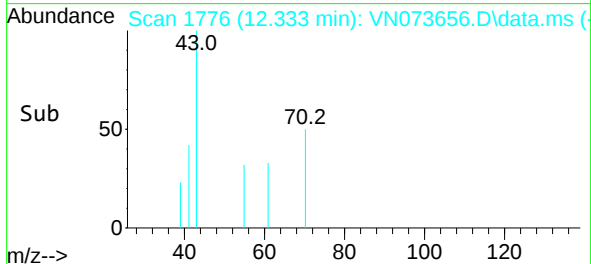
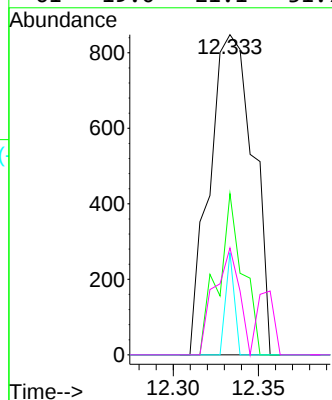
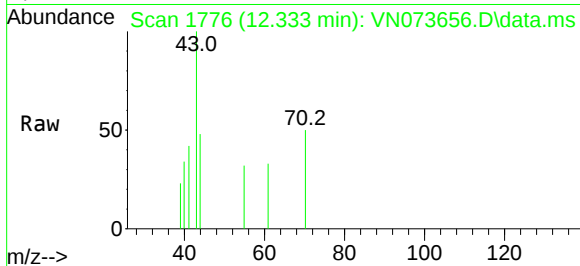




#74
N-amy1 acetate
Concen: 0.220 ug/l
RT: 12.333 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

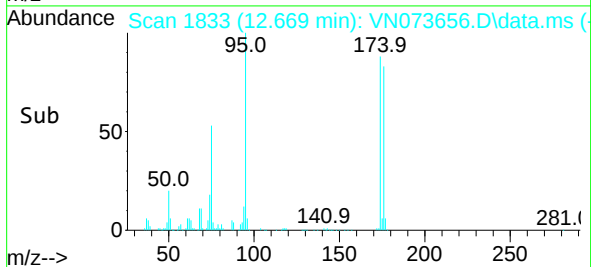
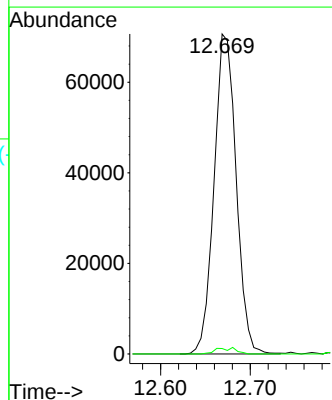
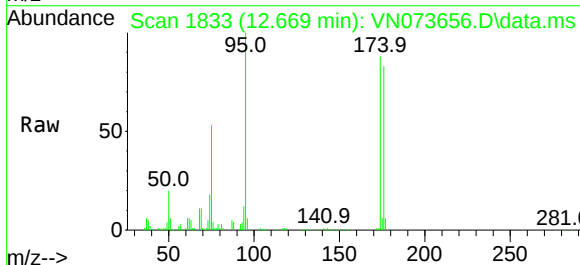
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

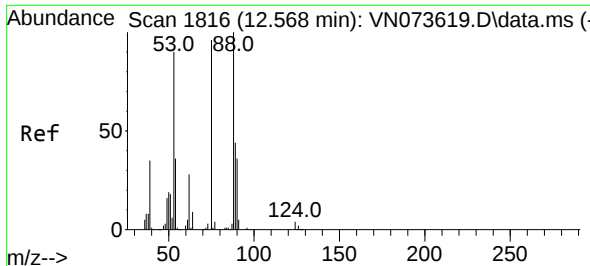
Tgt Ion: 43	Resp: 1509
Ion Ratio	Lower Upper
43 100	
70 28.4	39.0 58.4#
55 6.4	21.1 31.7#
61 19.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 25.012 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 75	Resp: 120821
Ion Ratio	Lower Upper
75 100	
77 1.8	98.5 295.5#

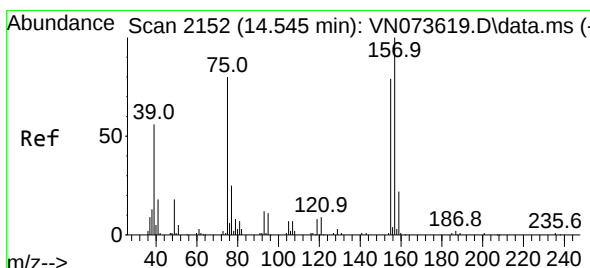
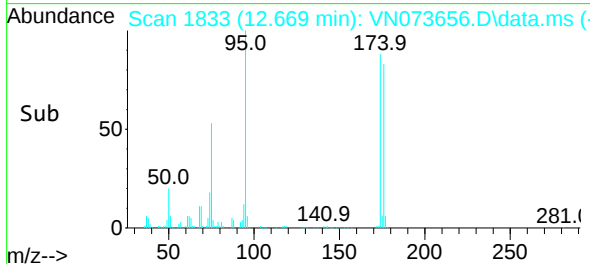
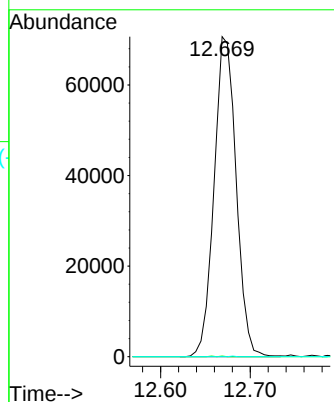
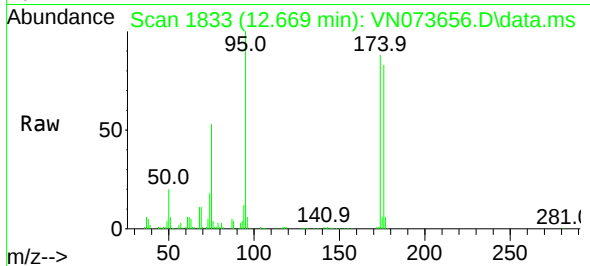




#81
trans-1,4-Dichloro-2-butene
Concen: 63.205 ug/l
RT: 12.669 min Scan# 1816
Delta R.T. 0.100 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

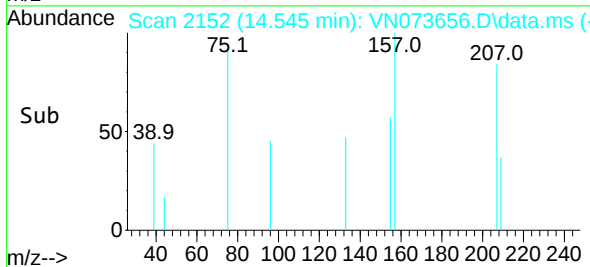
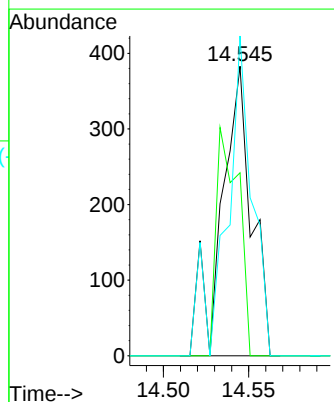
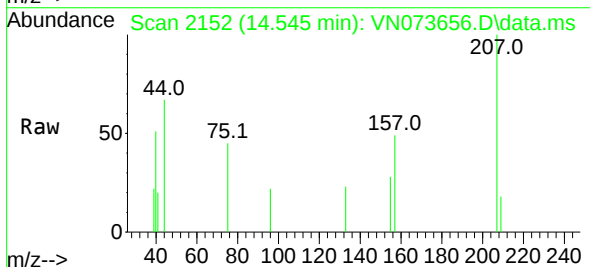
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

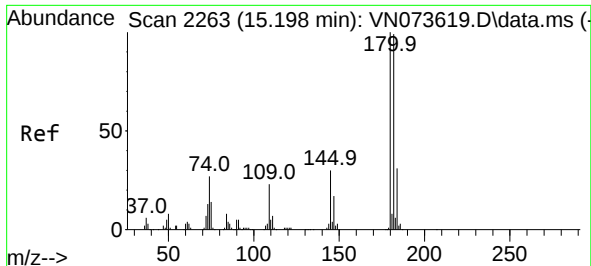
Tgt Ion: 75 Resp: 120821
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.337 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

Tgt Ion: 75 Resp: 474
Ion Ratio Lower Upper
75 100
155 57.6 44.9 134.5
157 95.8 59.0 176.8

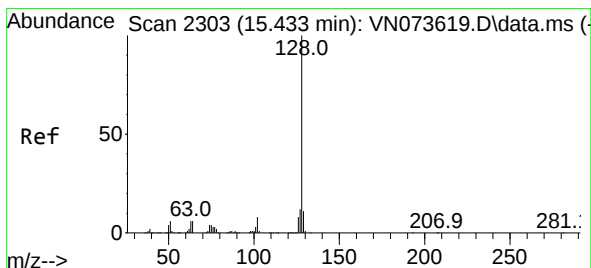
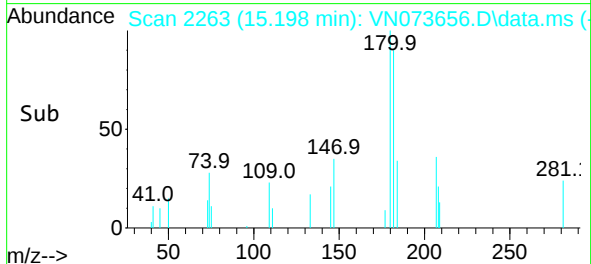
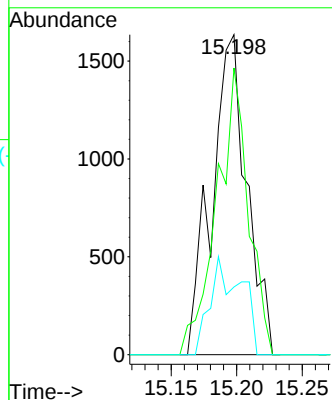
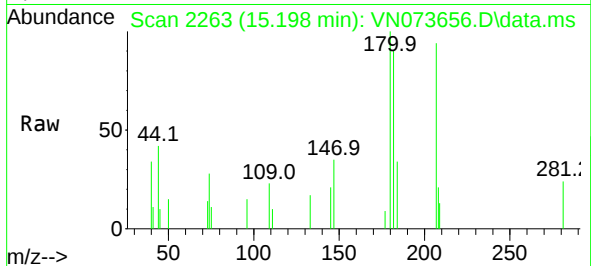




#93
1,2,4-Trichlorobenzene
Concen: 0.699 ug/l
RT: 15.198 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

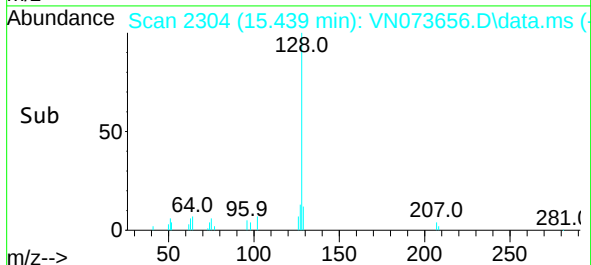
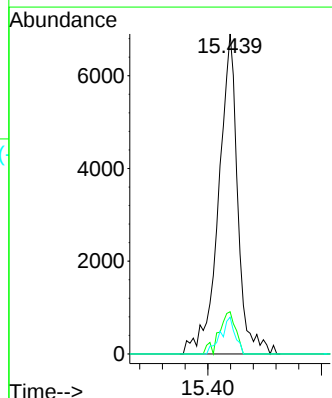
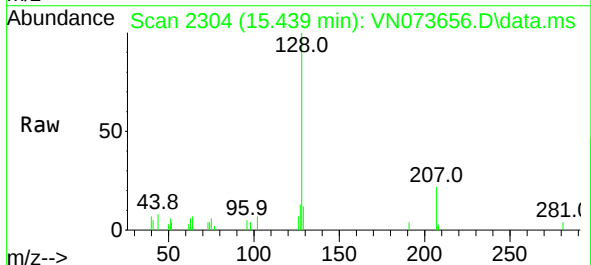
Instrument :
MSVOA_N
ClientSampleId :
MS-TOTE-0729

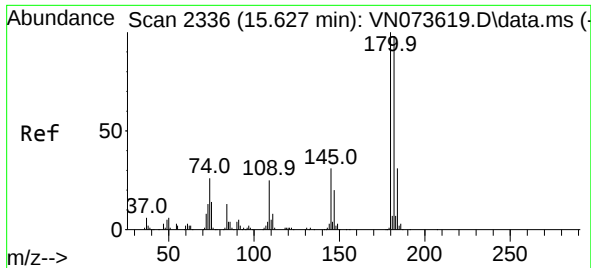
Tgt Ion:	180	Resp:	3033
Ion	Ratio	Lower	Upper
180	100		
182	81.0	47.5	142.5
145	27.2	14.5	43.5



#95
Naphthalene
Concen: 1.148 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073656.D
Acq: 01 Aug 2022 13:41

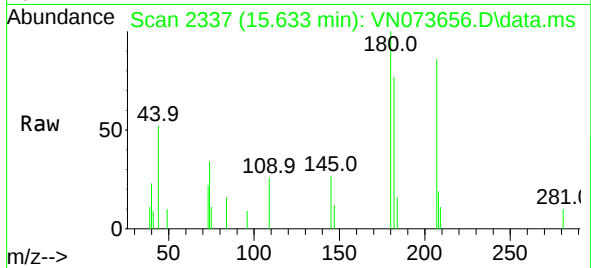
Tgt Ion:	128	Resp:	16157
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	8.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.772 ug/l
 RT: 15.633 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073656.D
 Acq: 01 Aug 2022 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 MS-TOTE-0729



Tgt Ion:	180	Resp:	3526
Ion	Ratio	Lower	Upper
180	100		
182	108.4	47.8	143.3
145	27.2	15.5	46.5

