

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN0756687.D
 Acq On : 10 Dec 2022 03:58
 Operator : JC\MD
 Sample : N5989-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:25:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

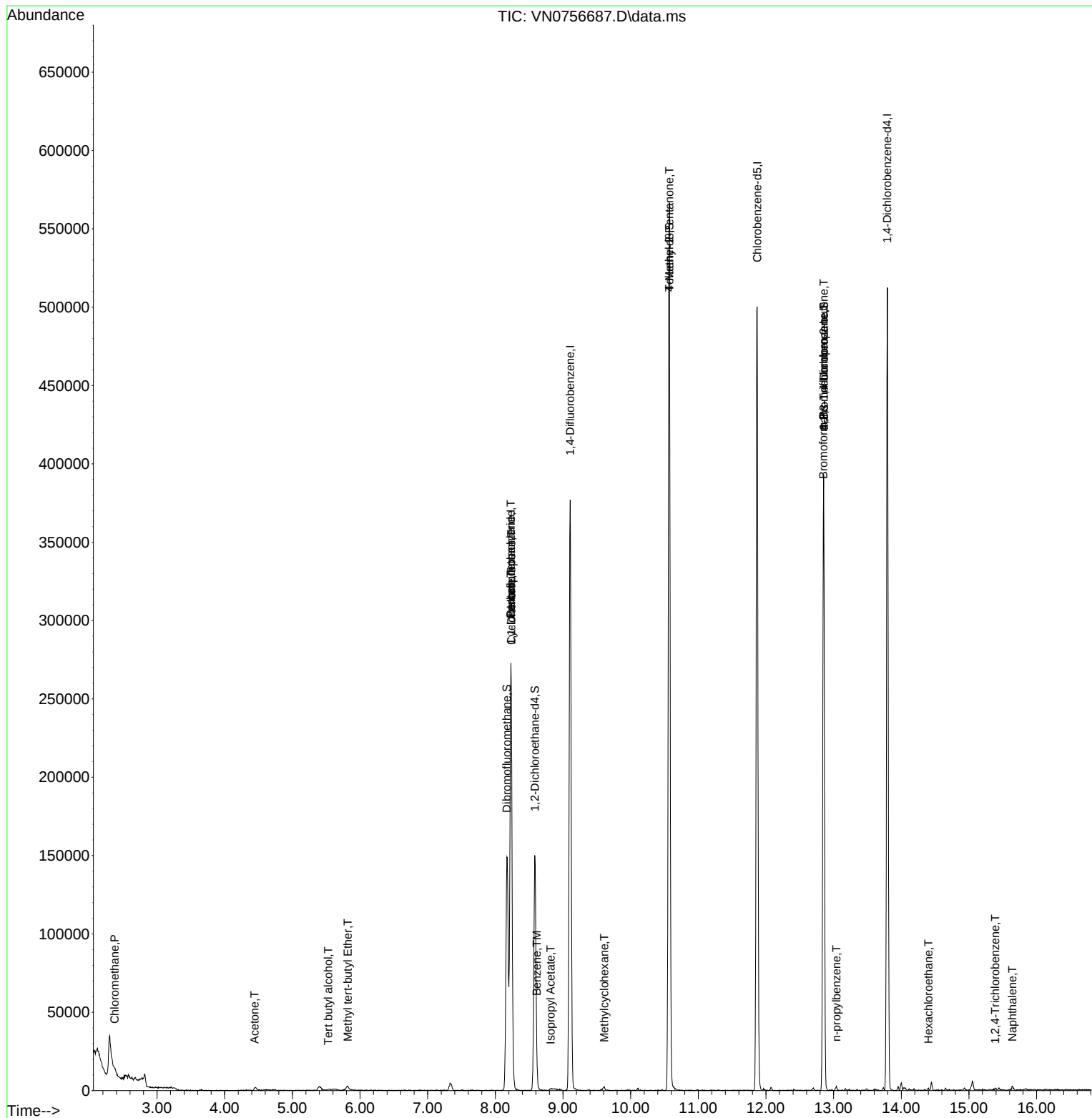
Internal Standards						
1) Pentafluorobenzene	8.230	168	213058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	351350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	315974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118625	52.475	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.960%	
35) Dibromofluoromethane	8.171	113	109191	50.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.880%	
50) Toluene-d8	10.571	98	410686	51.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.853	95	132905	48.286	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	460	0.246	ug/l #	40
11) Tert butyl alcohol	5.530	59	395	1.181	ug/l #	72
16) Acetone	4.442	43	1835	2.397	ug/l	89
19) Methyl tert-butyl Ether	5.818	73	3497	0.570	ug/l #	81
31) Cyclohexane	8.236	56	3686	1.101	ug/l #	4
36) 1,1-Dichloropropene	8.236	75	14167	4.977	ug/l #	48
38) Carbon Tetrachloride	8.230	117	21116	6.429	ug/l #	16
39) Methylcyclohexane	9.612	83	1570	0.435	ug/l #	86
40) Benzene	8.612	78	1778	0.204	ug/l	97
43) Isopropyl Acetate	8.818	43	828	0.217	ug/l #	51
51) 4-Methyl-2-Pentanone	10.571	43	1582	0.672	ug/l #	1
71) Bromoform	12.847	173	816	0.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68051	22.921	ug/l #	1
78) n-propylbenzene	13.041	91	2718	0.231	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.853	75	68051	73.354	ug/l #	13
90) Hexachloroethane	14.400	117	1006	0.634	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.388	180	823	0.345	ug/l	93
95) Naphthalene	15.641	128	3296	0.468	ug/l #	86

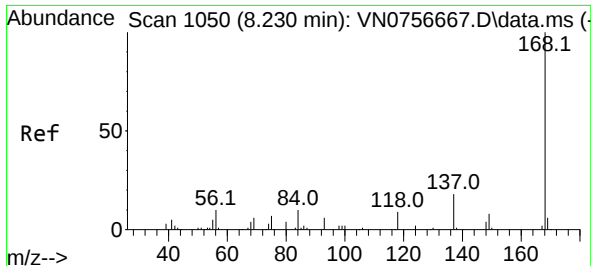
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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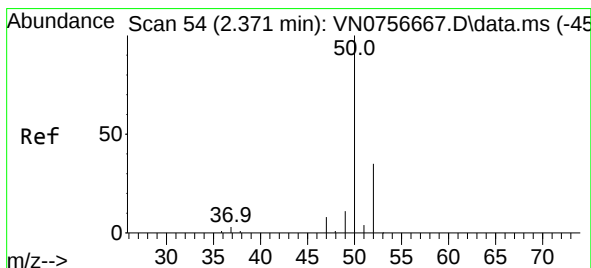
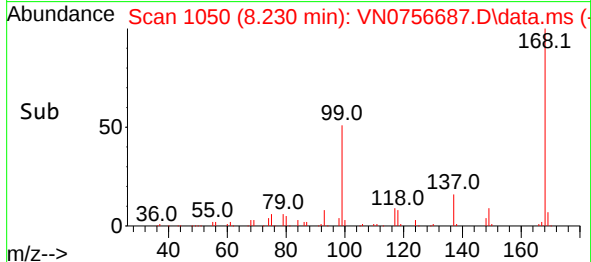
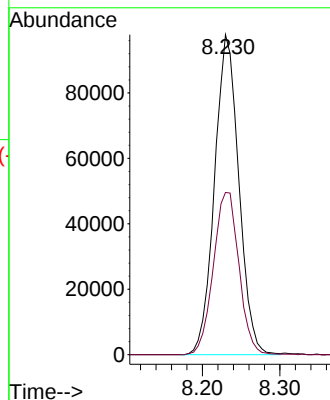
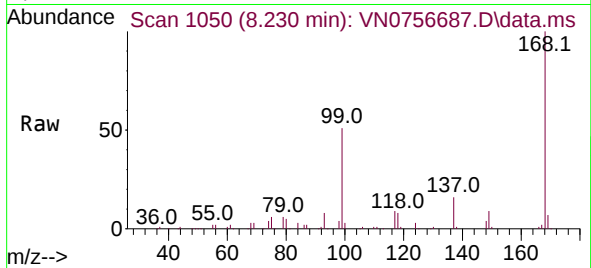




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

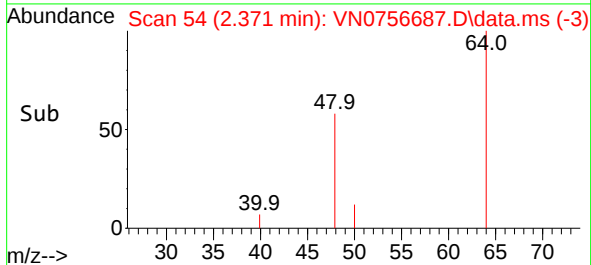
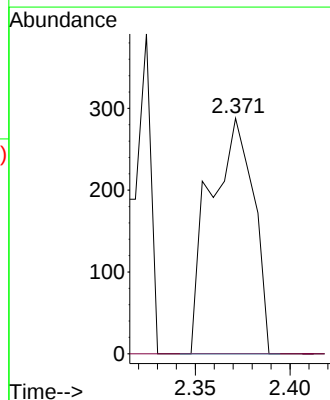
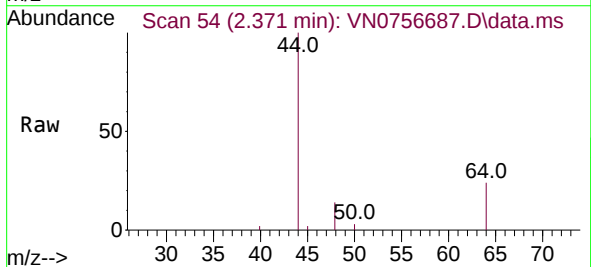
Instrument :
MSVOA_N
ClientSampleId :

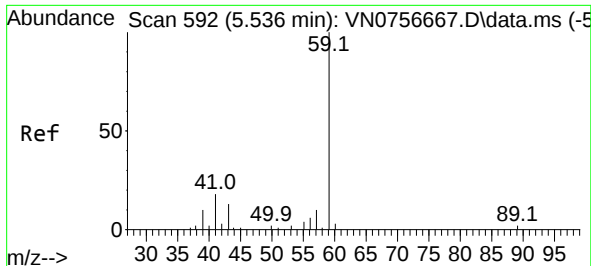
Tgt Ion:168 Resp: 213058
Ion Ratio Lower Upper
168 100
99 50.7 41.2 61.8



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#





#11

Tert butyl alcohol

Concen: 1.181 ug/l

RT: 5.530 min Scan# 59

Delta R.T. -0.006 min

Lab File: VN0756687.D

Acq: 10 Dec 2022 03:58

Instrument :

MSVOA_N

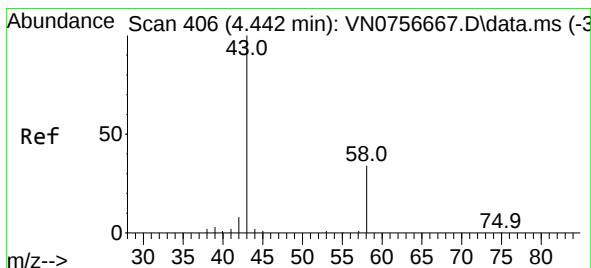
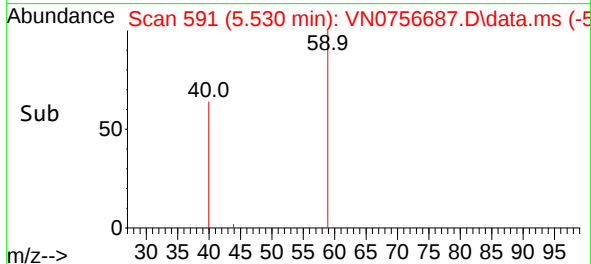
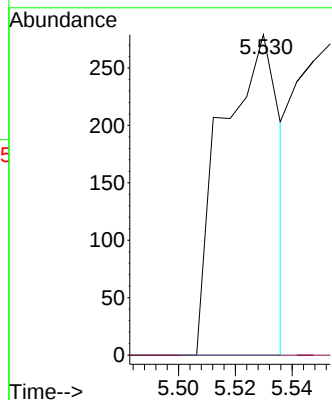
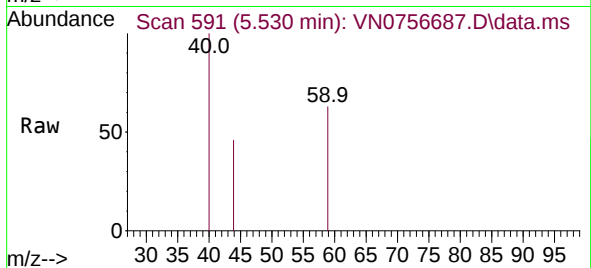
ClientSampleId :

Tgt Ion: 59 Resp: 395

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 2.397 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN0756687.D

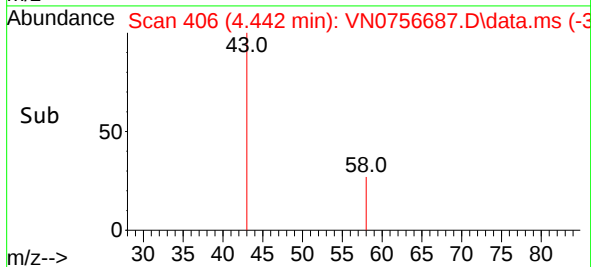
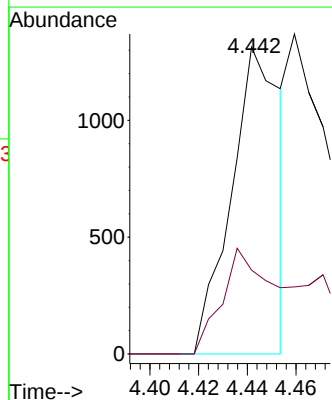
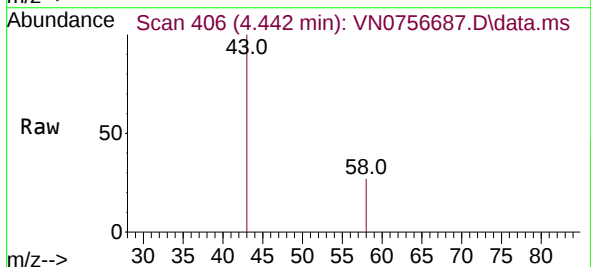
Acq: 10 Dec 2022 03:58

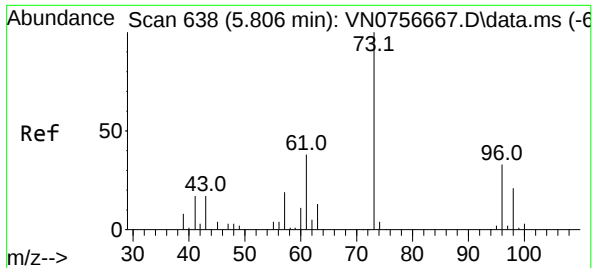
Tgt Ion: 43 Resp: 1835

Ion Ratio Lower Upper

43 100

58 27.3 27.0 40.4





#19

Methyl tert-butyl Ether

Concen: 0.570 ug/l

RT: 5.818 min Scan# 64

Delta R.T. 0.012 min

Lab File: VN0756687.D

Acq: 10 Dec 2022 03:58

Instrument :

MSVOA_N

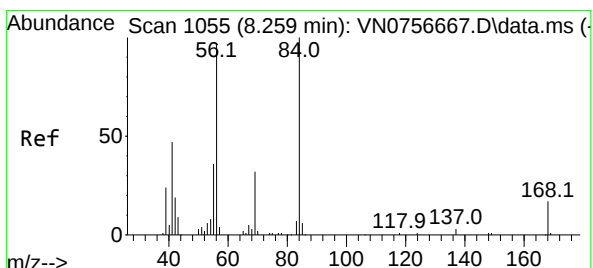
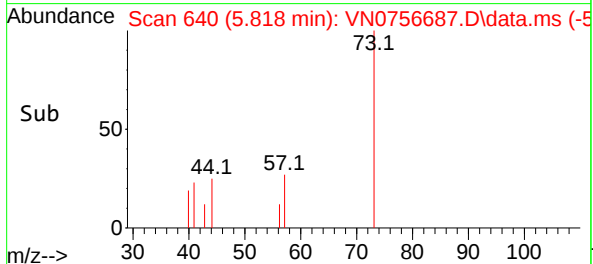
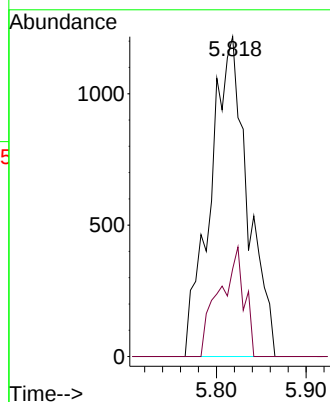
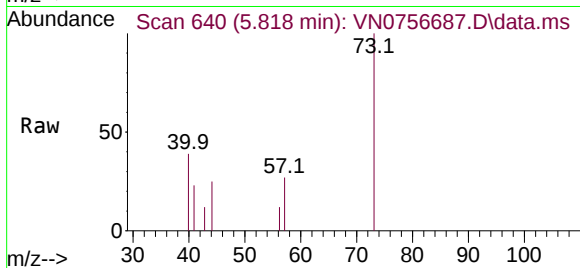
ClientSampleId :

Tgt Ion: 73 Resp: 3497

Ion Ratio Lower Upper

73 100

57 27.4 15.1 22.7#



#31

Cyclohexane

Concen: 1.101 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.023 min

Lab File: VN0756687.D

Acq: 10 Dec 2022 03:58

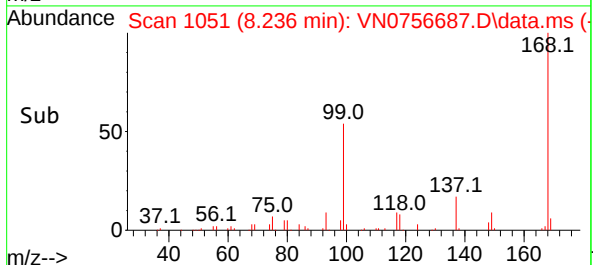
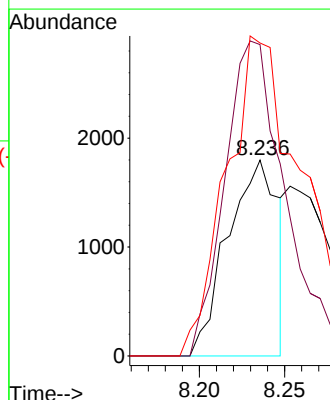
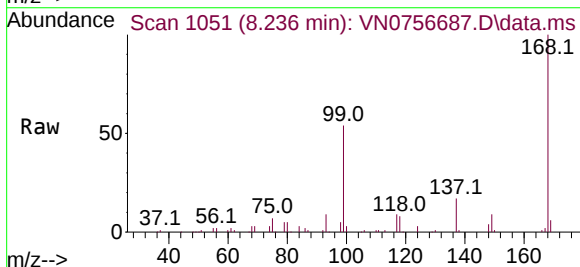
Tgt Ion: 56 Resp: 3686

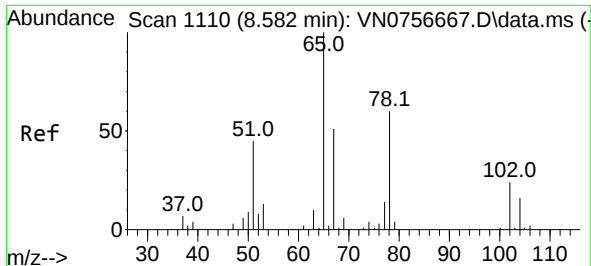
Ion Ratio Lower Upper

56 100

69 159.0 26.2 39.2#

84 159.8 82.8 124.2#

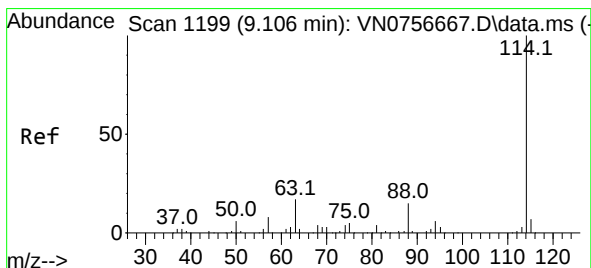
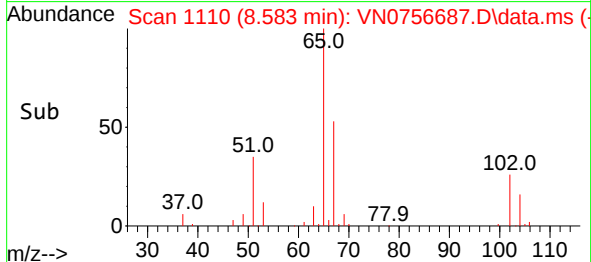
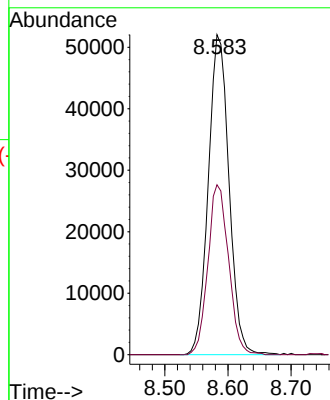
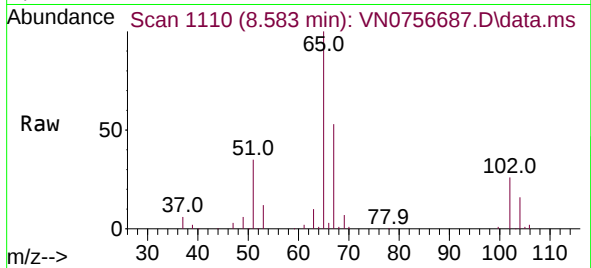




#33
 1,2-Dichloroethane-d4
 Concen: 52.475 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN0756687.D
 Acq: 10 Dec 2022 03:58

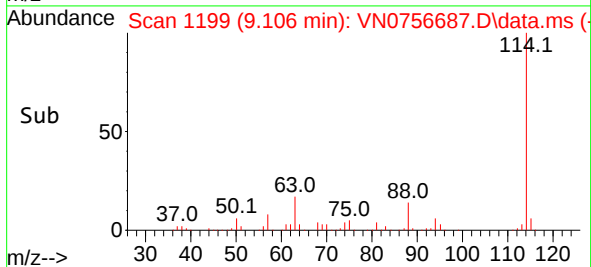
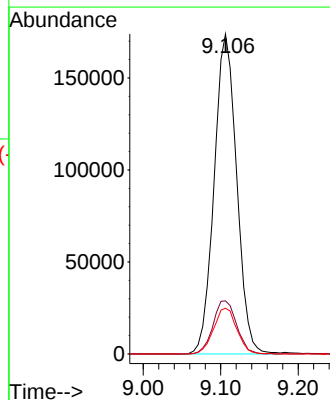
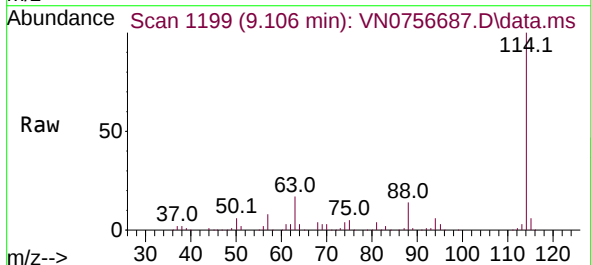
Instrument :
 MSVOA_N
 ClientSampleId :

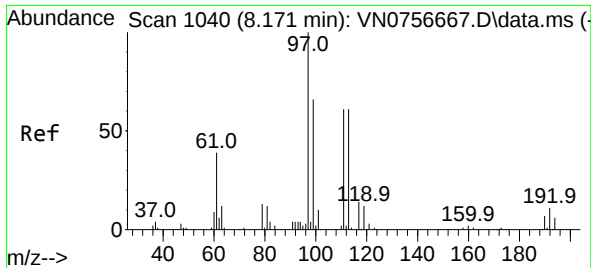
Tgt Ion: 65 Resp: 118625
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN0756687.D
 Acq: 10 Dec 2022 03:58

Tgt Ion: 114 Resp: 351350
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 34.4
 88 14.3 0.0 29.2

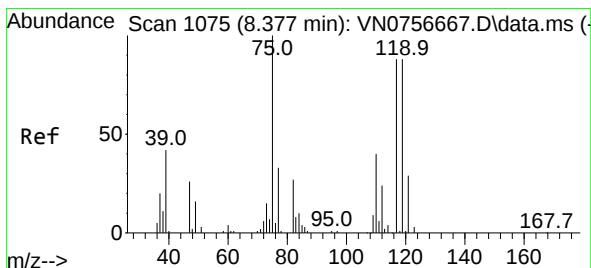
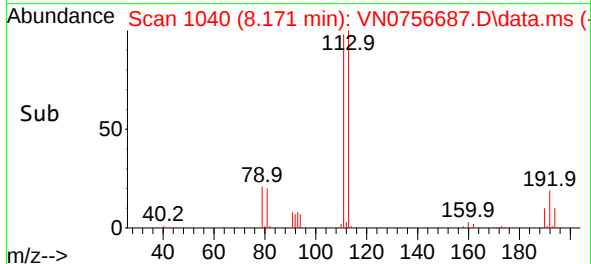
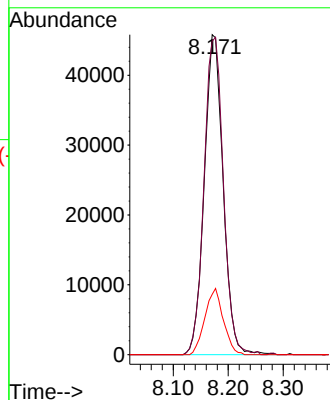
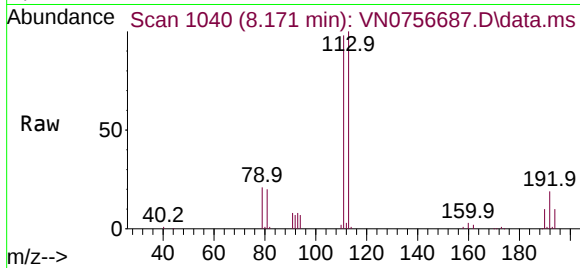




#35
Dibromofluoromethane
Concen: 50.937 ug/l
RT: 8.171 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

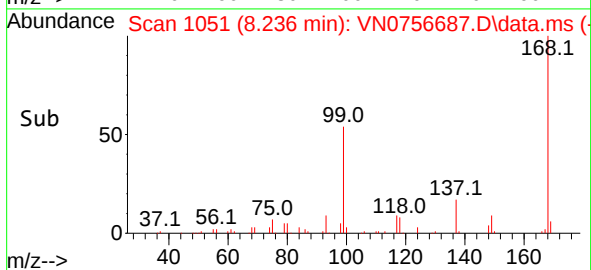
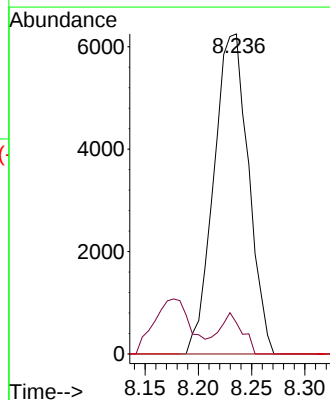
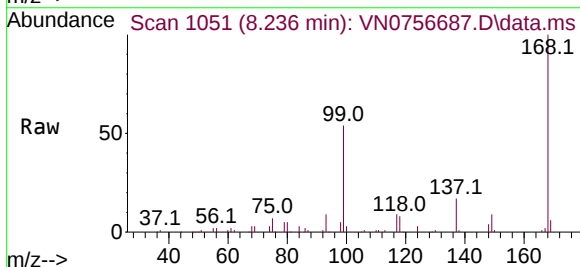
Instrument :
MSVOA_N
ClientSampleId :

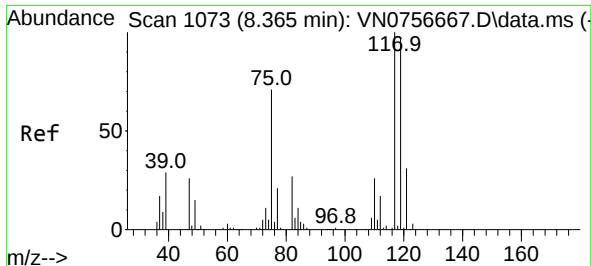
Tgt Ion:113 Resp: 109191
Ion Ratio Lower Upper
113 100
111 102.1 81.0 121.6
192 20.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

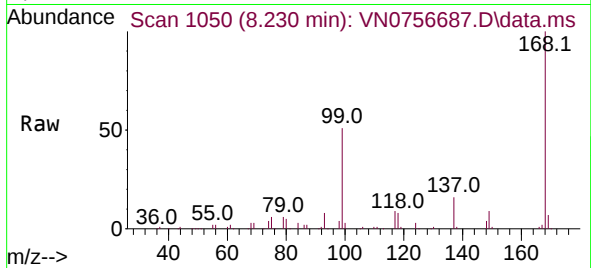
Tgt Ion: 75 Resp: 14167
Ion Ratio Lower Upper
75 100
110 8.8 18.9 56.9#
77 0.0 25.4 38.2#



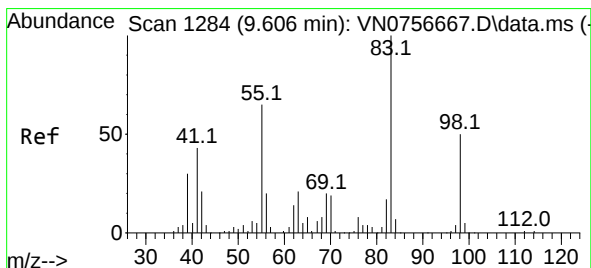
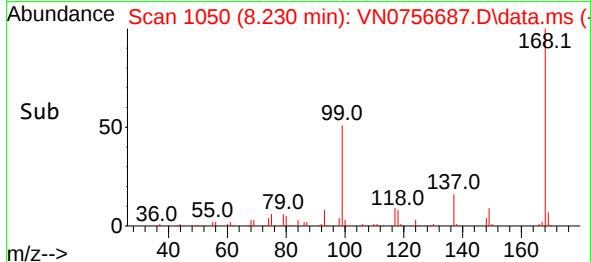
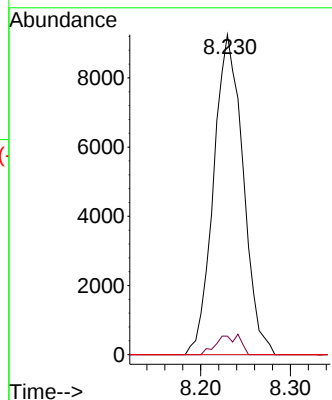


#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

Instrument :
MSVOA_N
ClientSampleId :

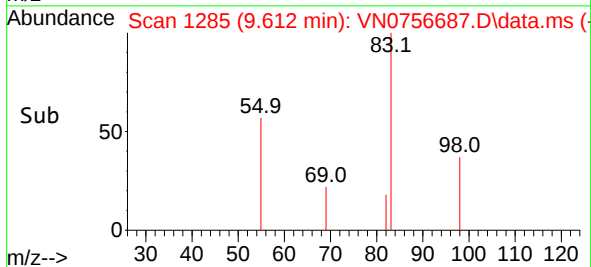
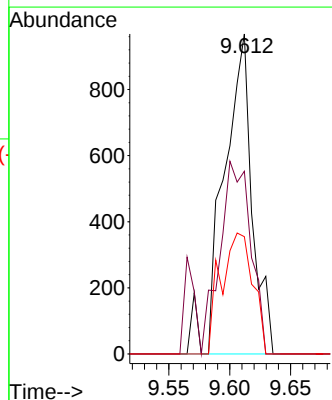
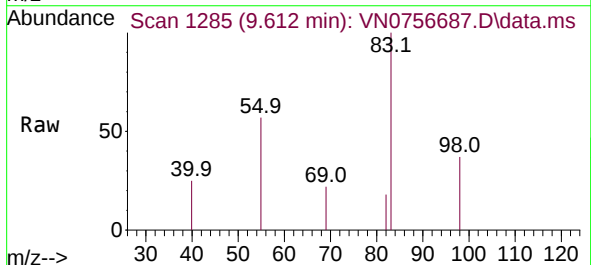


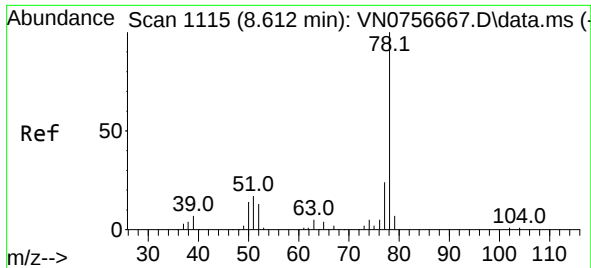
Tgt Ion:117 Resp: 21116
Ion Ratio Lower Upper
117 100
119 5.8 77.2 115.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.435 ug/l
RT: 9.612 min Scan# 1285
Delta R.T. 0.006 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

Tgt Ion: 83 Resp: 1570
Ion Ratio Lower Upper
83 100
55 57.1 51.6 77.4
98 36.7 39.8 59.8#

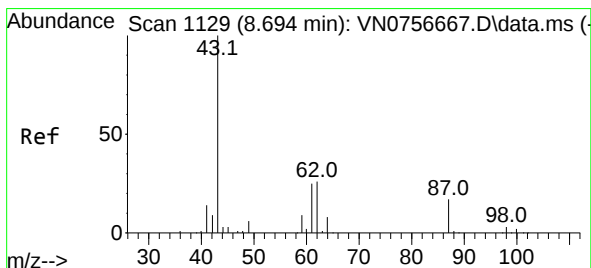
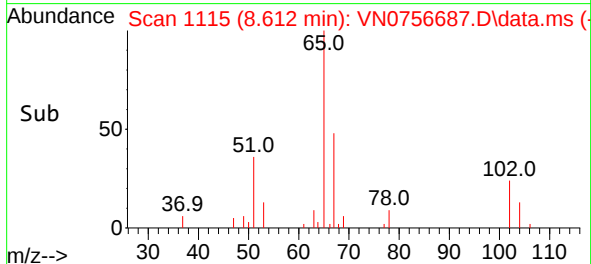
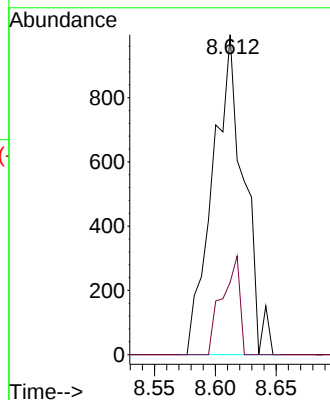
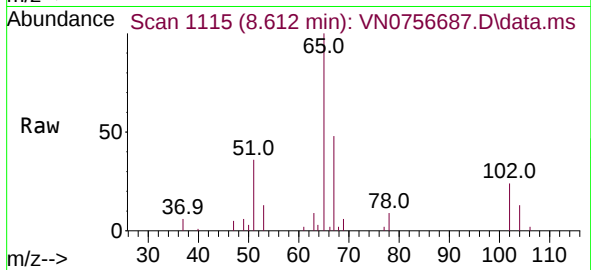




#40
Benzene
Concen: 0.204 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

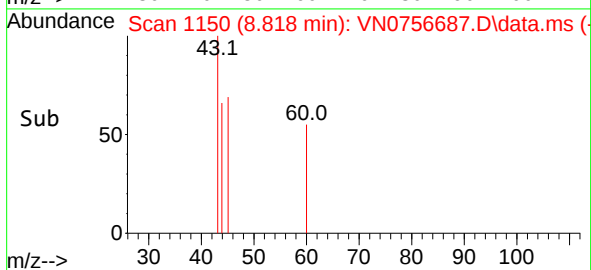
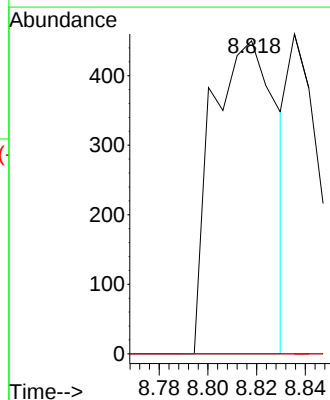
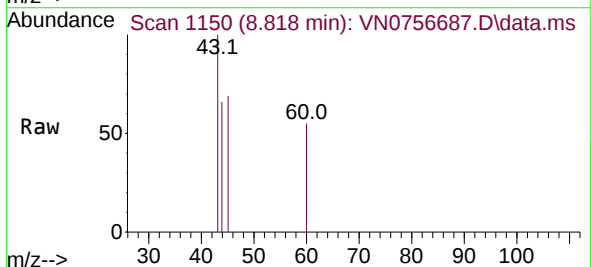
Instrument :
MSVOA_N
ClientSampleId :

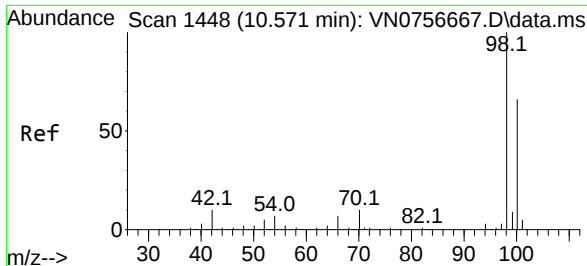
Tgt Ion: 78 Resp: 1778
Ion Ratio Lower Upper
78 100
77 22.6 19.1 28.7



#43
Isopropyl Acetate
Concen: 0.217 ug/l
RT: 8.818 min Scan# 1150
Delta R.T. 0.124 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 0.0 13.7 20.5#

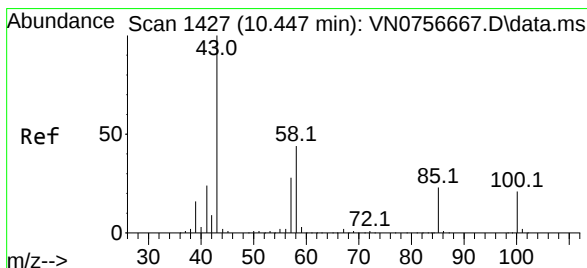
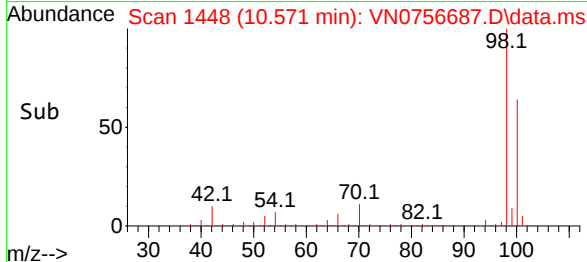
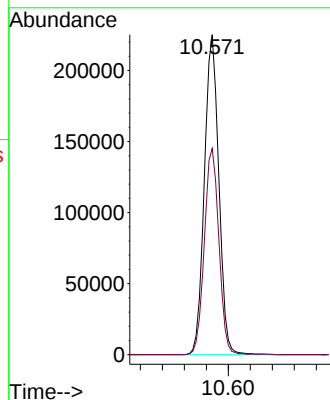
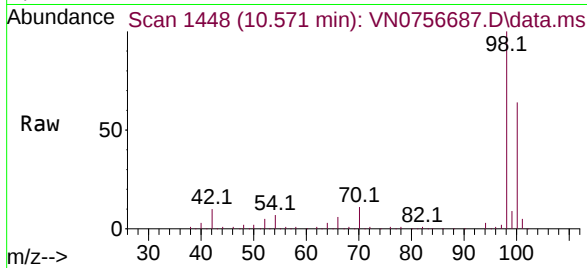




#50
Toluene-d8
Concen: 51.015 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

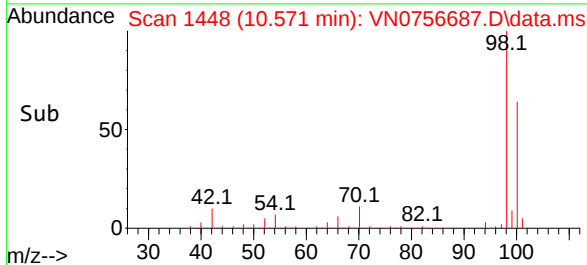
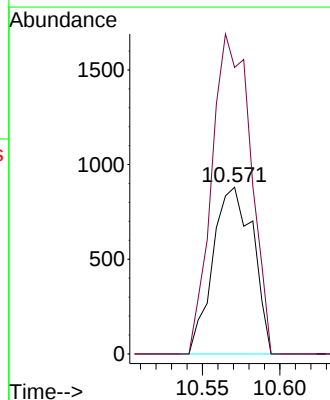
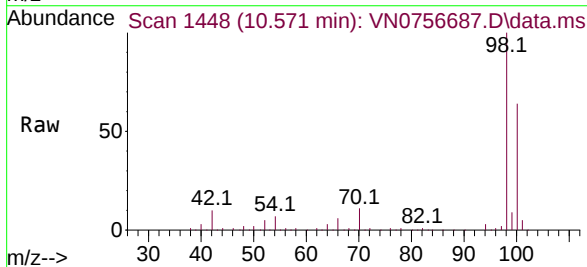
Instrument :
MSVOA_N
ClientSampleId :

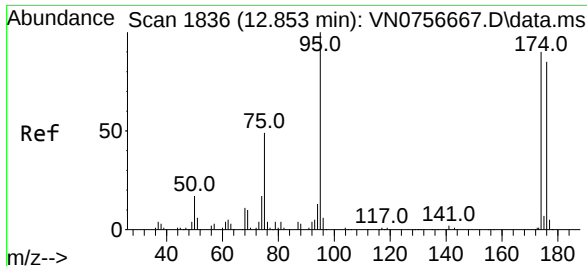
Tgt Ion: 98 Resp: 410686
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.672 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

Tgt Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
58 185.7 35.0 52.6#

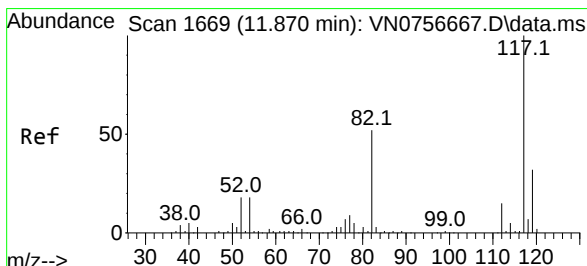
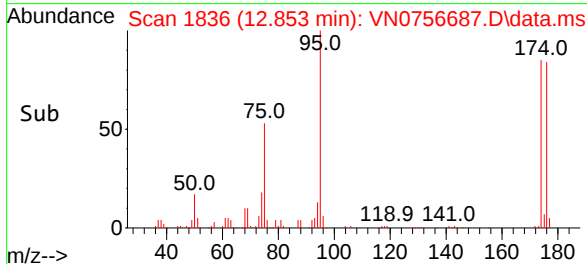
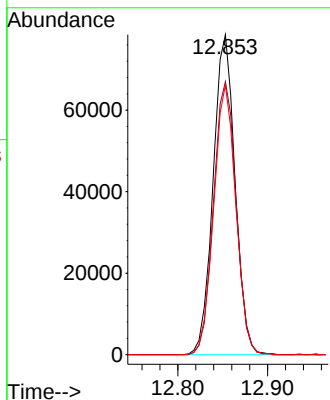
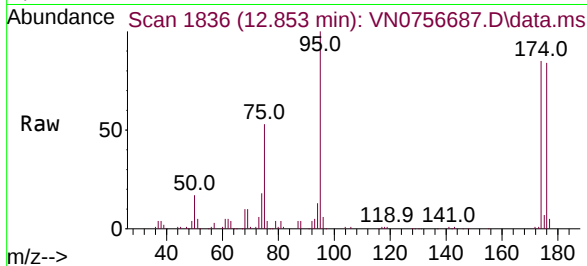




#62
4-Bromofluorobenzene
Concen: 48.286 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

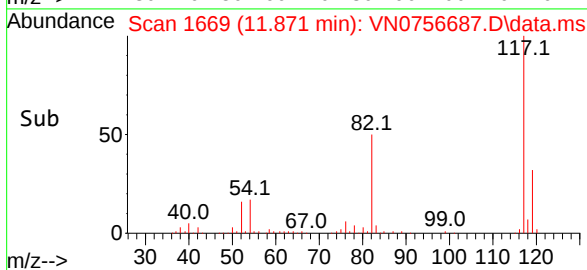
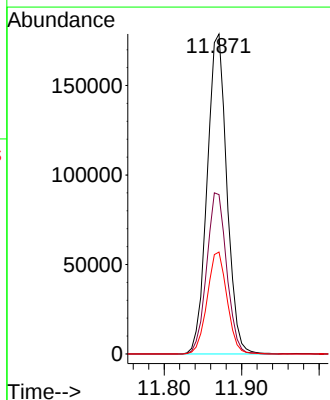
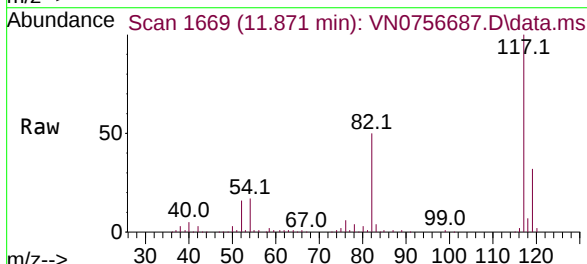
Instrument :
MSVOA_N
ClientSampleId :

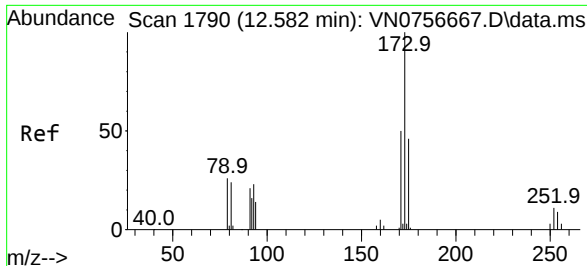
Tgt Ion: 95 Resp: 132905
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.6
176 85.0 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

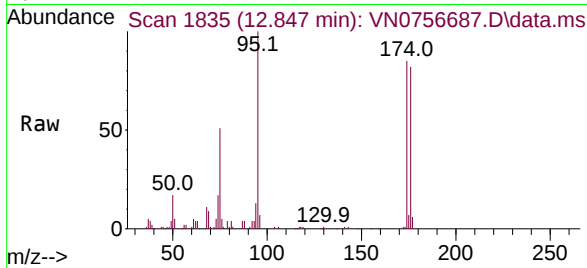
Tgt Ion: 117 Resp: 315974
Ion Ratio Lower Upper
117 100
82 49.8 41.8 62.8
119 31.8 25.8 38.6



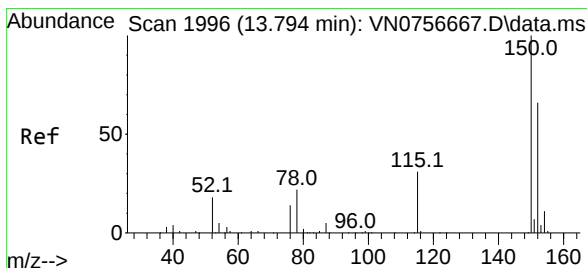
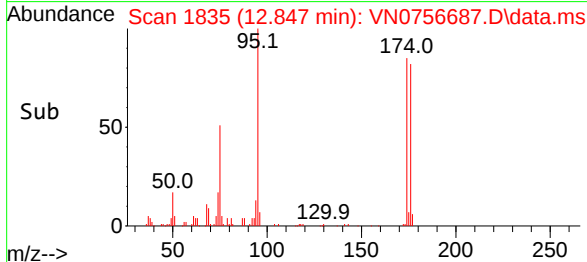
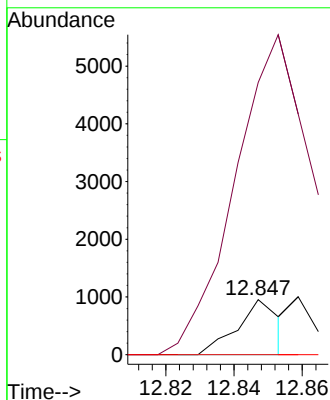


#71
Bromoform
Concen: 0.455 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

Instrument :
MSVOA_N
ClientSampleId :

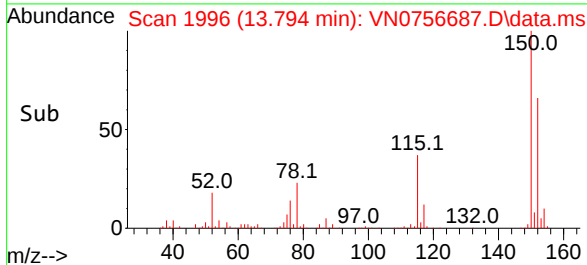
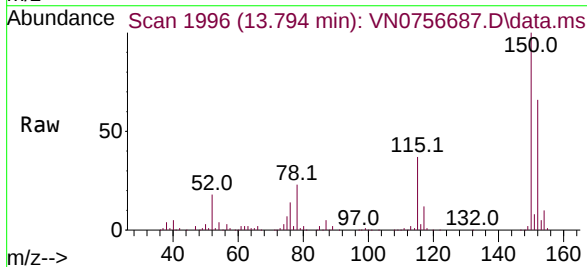
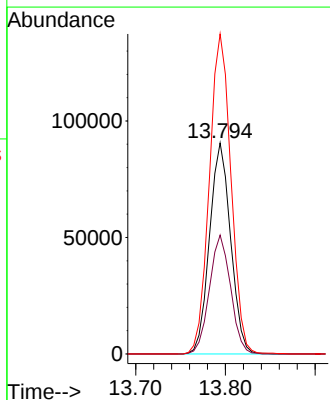


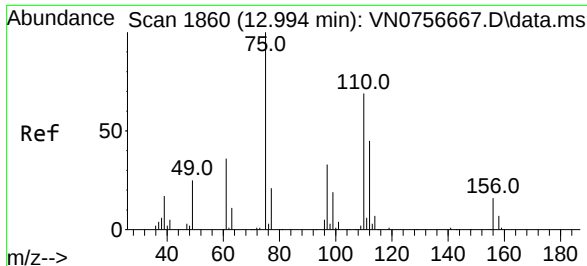
Tgt Ion:173 Resp: 816
Ion Ratio Lower Upper
173 100
175 882.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

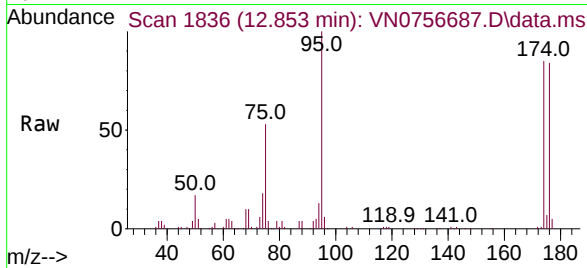
Tgt Ion:152 Resp: 147835
Ion Ratio Lower Upper
152 100
115 56.4 28.4 85.2
150 155.3 0.0 347.6



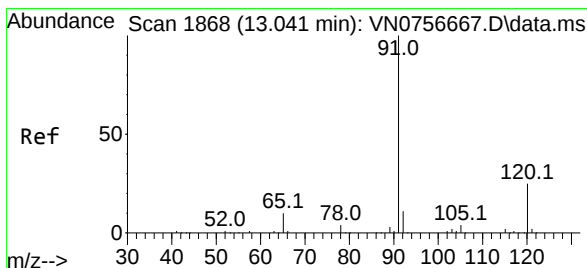
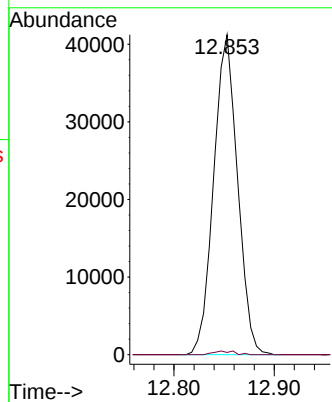
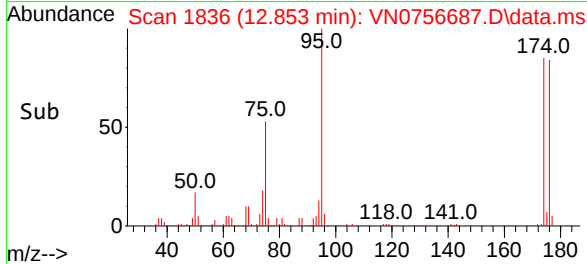


#76
 1,2,3-Trichloropropane
 Concen: 22.921 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN0756687.D
 Acq: 10 Dec 2022 03:58

Instrument :
 MSVOA_N
 ClientSampleId :

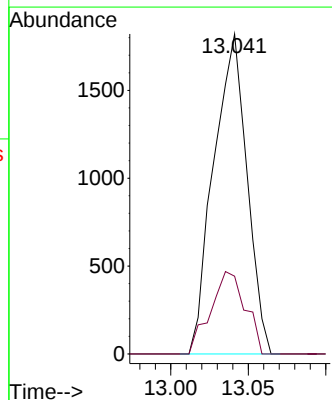
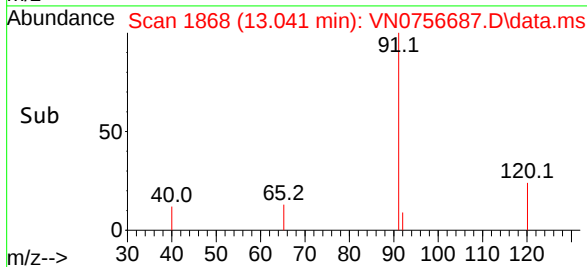
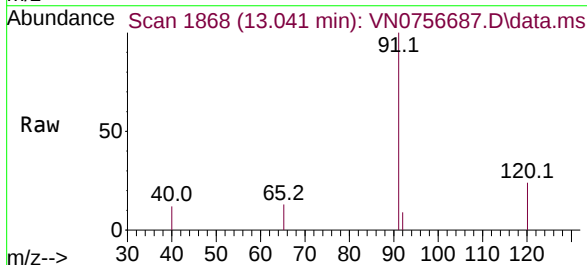


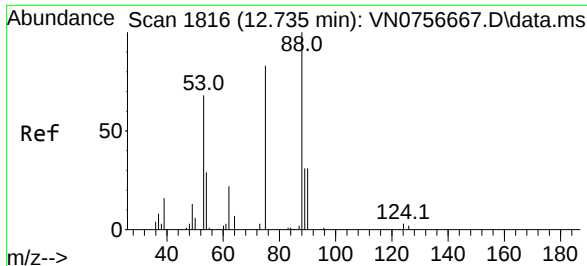
Tgt Ion: 75 Resp: 68051
 Ion Ratio Lower Upper
 75 100
 77 1.0 81.8 245.4#



#78
 n-propylbenzene
 Concen: 0.231 ug/l
 RT: 13.041 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN0756687.D
 Acq: 10 Dec 2022 03:58

Tgt Ion: 91 Resp: 2718
 Ion Ratio Lower Upper
 91 100
 120 26.9 12.1 36.3

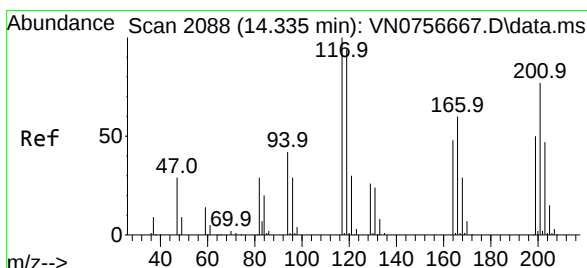
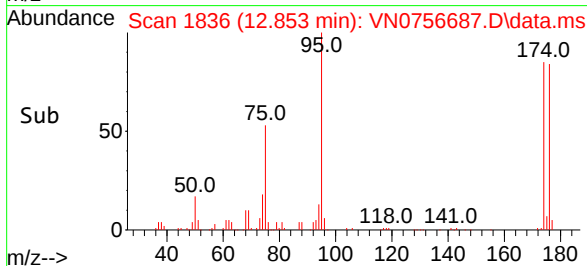
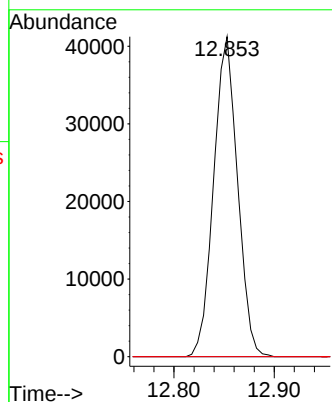
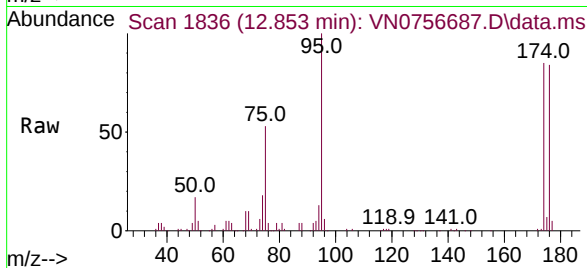




#81
trans-1,4-Dichloro-2-butene
Concen: 73.354 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

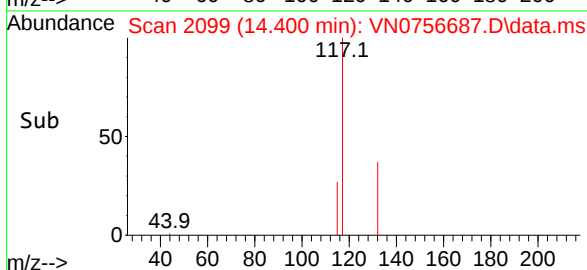
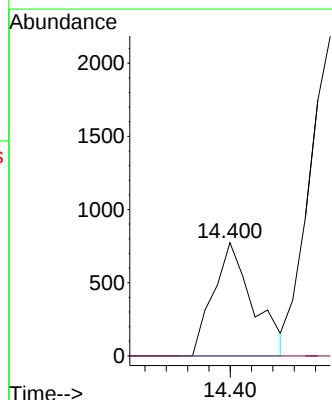
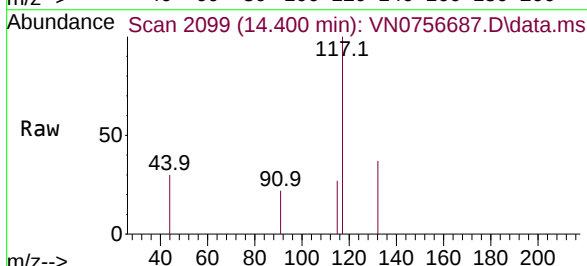
Instrument :
MSVOA_N
ClientSampleId :

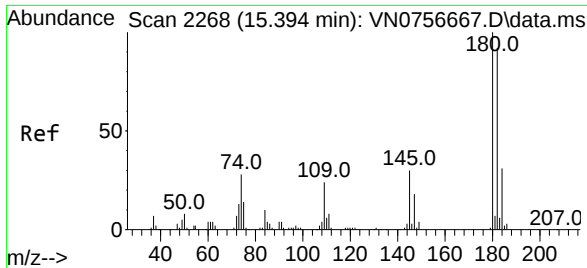
Tgt Ion: 75 Resp: 68051
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#



#90
Hexachloroethane
Concen: 0.634 ug/l
RT: 14.400 min Scan# 2099
Delta R.T. 0.065 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

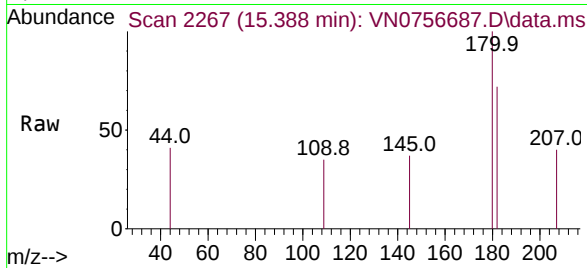
Tgt Ion: 117 Resp: 1006
Ion Ratio Lower Upper
117 100
201 0.0 39.2 117.6#



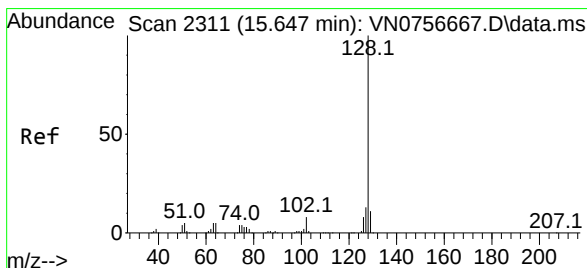
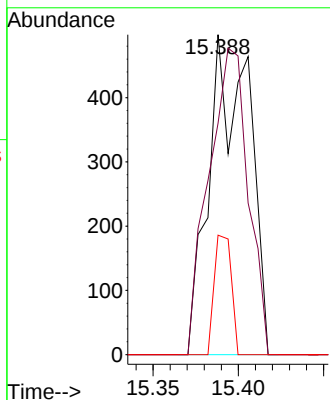
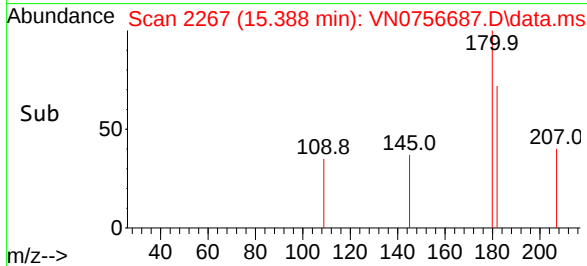


#93
1,2,4-Trichlorobenzene
Concen: 0.345 ug/l
RT: 15.388 min Scan# 210
Delta R.T. -0.006 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58

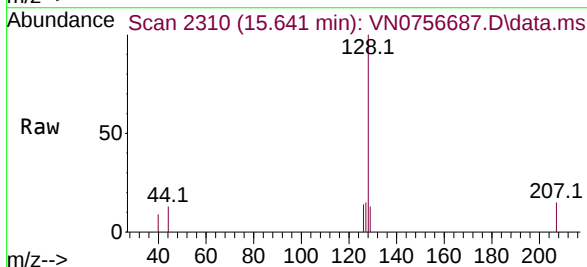
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 823
Ion Ratio Lower Upper
180 100
182 93.1 47.1 141.3
145 15.7 15.2 45.5



#95
Naphthalene
Concen: 0.468 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.006 min
Lab File: VN0756687.D
Acq: 10 Dec 2022 03:58



Tgt Ion:128 Resp: 3296
Ion Ratio Lower Upper
128 100
127 8.0 10.2 15.4#
129 4.5 8.4 12.6#

