

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074589.D
 Acq On : 19 Sep 2022 16:28
 Operator : JC\MD
 Sample : N4471-15DL 2000X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06-1.5-11.5-083122DL2

Quant Time: Sep 20 04:20:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

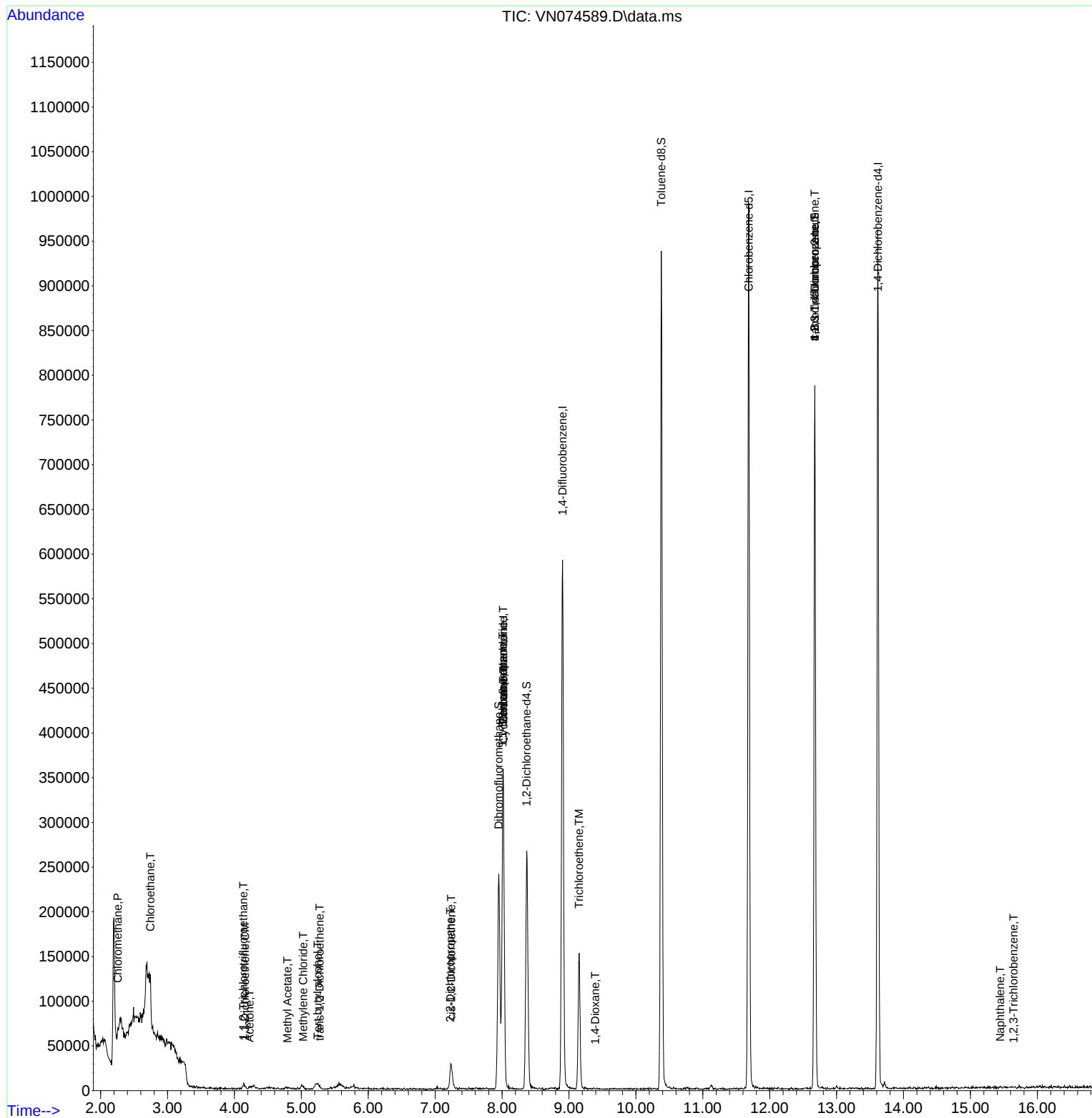
Internal Standards						
1) Pentafluorobenzene	8.016	168	252402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	486990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	484006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	220434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	198741	46.407	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.820%
35) Dibromofluoromethane	7.951	113	165932	51.293	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.580%
50) Toluene-d8	10.380	98	598656	47.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.700%
62) 4-Bromofluorobenzene	12.674	95	233815	54.567	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	2462	0.788	ug/l	89
6) Chloroethane	2.746	64	20813	6.162	ug/l #	49
9) 1,1,2-Trichlorotrifluo...	4.134	101	2047	0.606	ug/l #	73
11) Tert butyl alcohol	5.246	59	3232	2.317	ug/l #	72
12) 1,1-Dichloroethene	4.157	96	113	0.718	ug/l #	1
16) Acetone	4.228	43	1511	0.551	ug/l #	66
18) Methyl Acetate	4.793	43	2011	0.236	ug/l #	53
20) Methylene Chloride	5.028	84	2651	0.664	ug/l #	73
21) trans-1,2-Dichloroethene	5.275	96	100	0.456	ug/l #	29
26) 2,2-Dichloropropane	7.228	77	1908	0.278	ug/l	81
27) cis-1,2-Dichloroethene	7.239	96	3179	0.680	ug/l #	30
28) Bromochloromethane	7.575	49	55	Below Cal	#	8
31) Cyclohexane	8.022	56	8504	1.119	ug/l #	28
36) 1,1-Dichloropropene	8.010	75	25296	4.418	ug/l #	47
38) Carbon Tetrachloride	8.016	117	28261	5.346	ug/l #	19
44) Trichloroethene	9.151	130	49722	12.977	ug/l	98
49) 1,4-Dioxane	9.392	88	62	0.525	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	140891	20.765	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	140891	44.817	ug/l #	10
95) Naphthalene	15.445	128	799	1.630	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.645	180	120	1.362	ug/l #	12

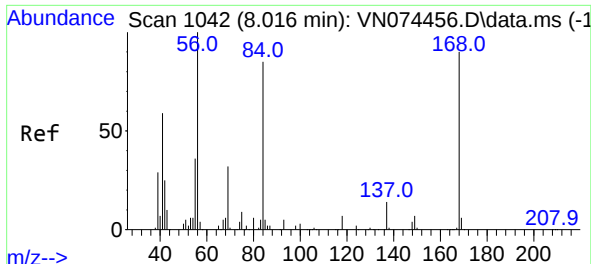
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
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Sample : N4471-15DL 2000X
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MW-06-1.5-11.5-083122DL2

Quant Time: Sep 20 04:20:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

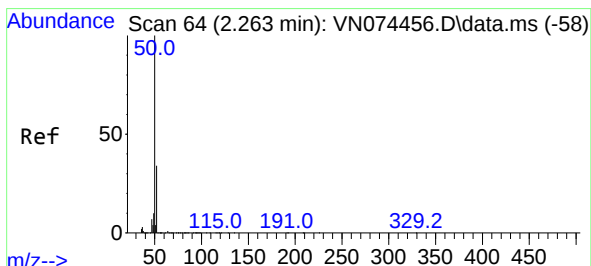
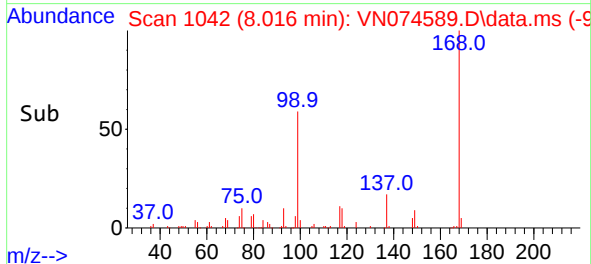
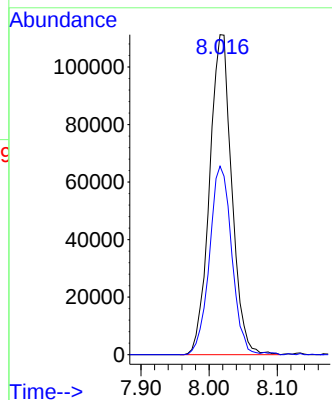
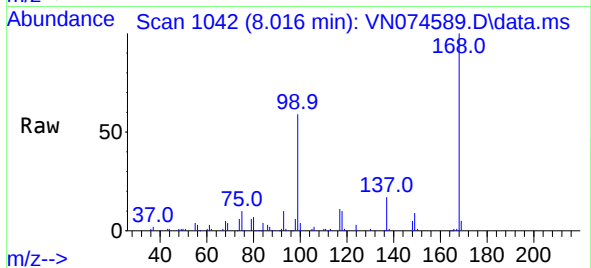




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

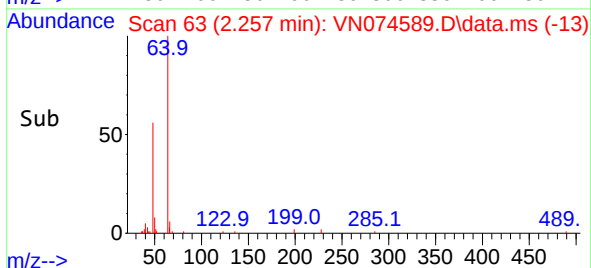
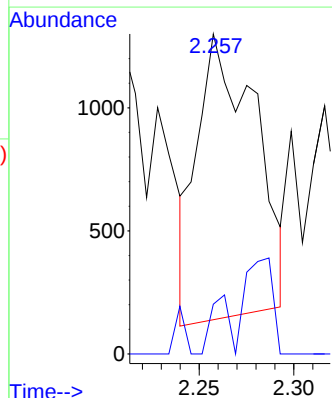
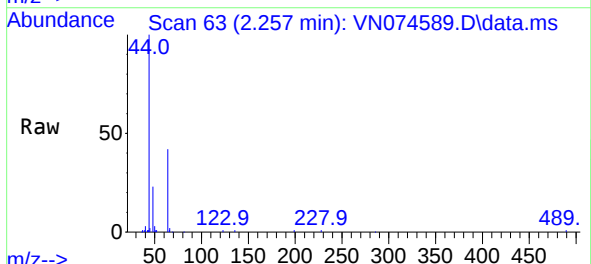
Instrument : MSVOA_N
ClientSampleId : MW-06-1.5-11.5-083122DL2

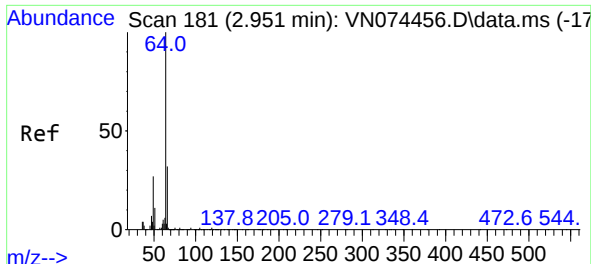
Tgt Ion:168 Resp: 252402
Ion Ratio Lower Upper
168 100
99 58.9 42.3 63.5



#3
Chloromethane
Concen: 0.788 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 50 Resp: 2462
Ion Ratio Lower Upper
50 100
52 25.8 25.7 38.5

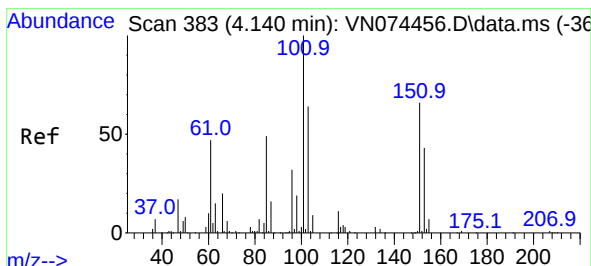
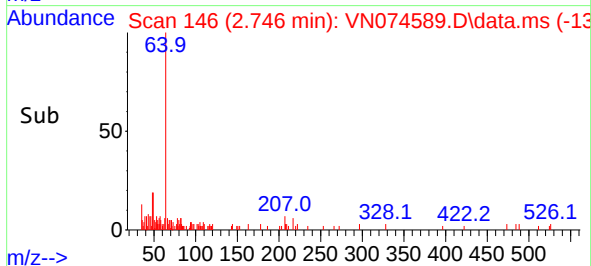
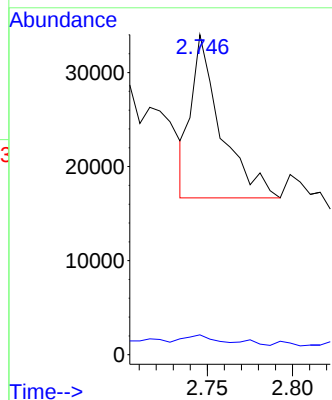
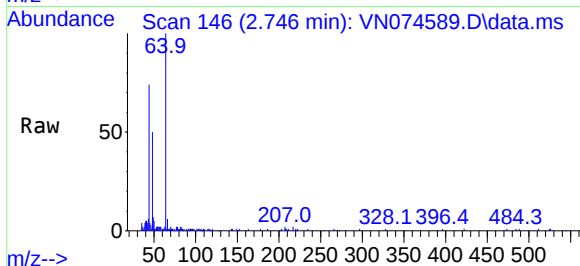




#6
Chloroethane
Concen: 6.162 ug/l
RT: 2.746 min Scan# 14
Delta R.T. -0.205 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

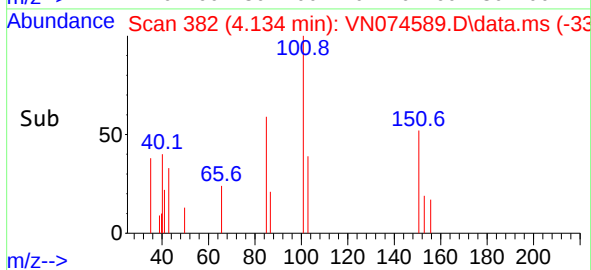
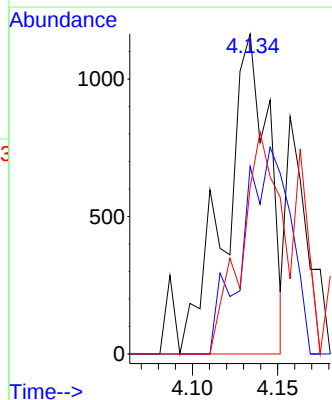
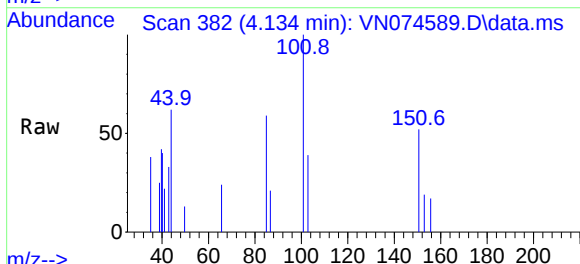
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

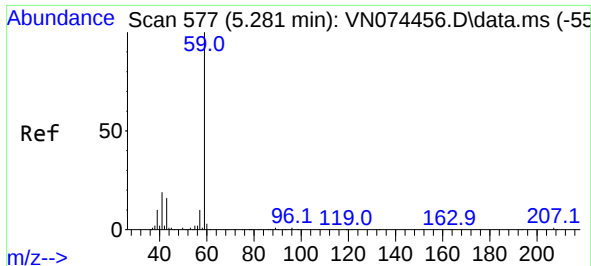
Tgt Ion: 64 Resp: 20813
Ion Ratio Lower Upper
64 100
66 3.9 26.2 39.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.606 ug/l
RT: 4.134 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 101 Resp: 2047
Ion Ratio Lower Upper
101 100
85 71.9 34.7 52.1#
151 63.2 63.0 94.4

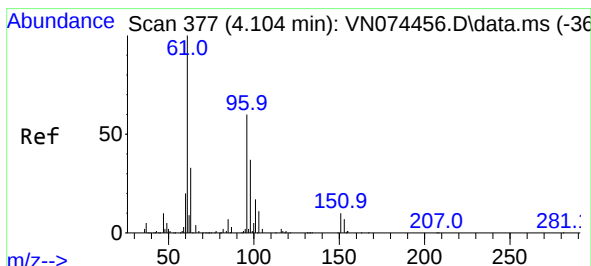
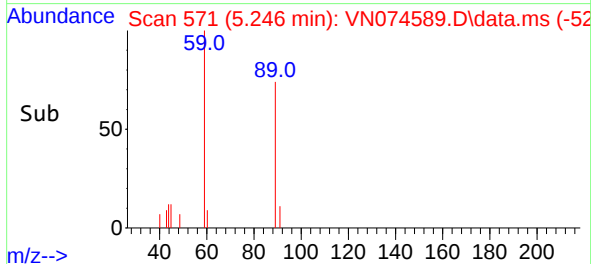
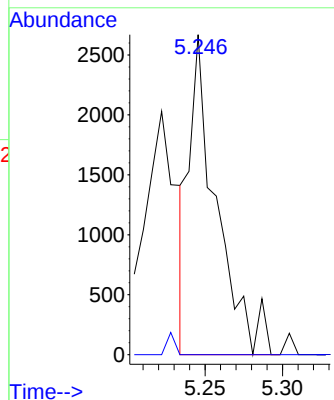
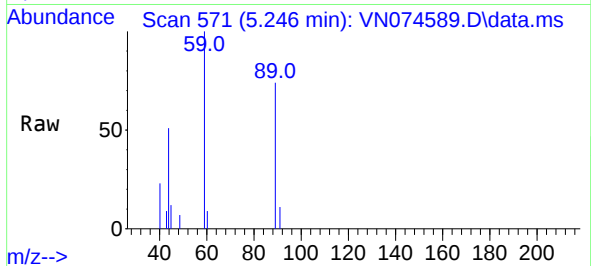




#11
Tert butyl alcohol
Concen: 2.317 ug/l
RT: 5.246 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

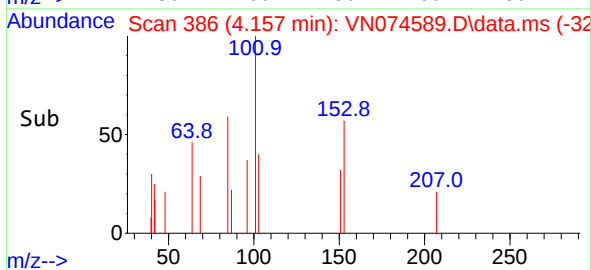
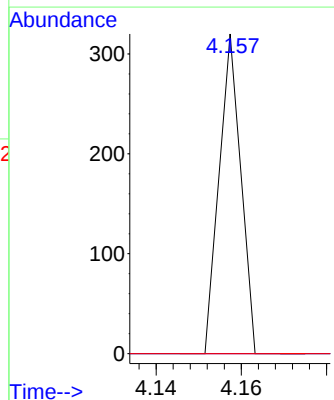
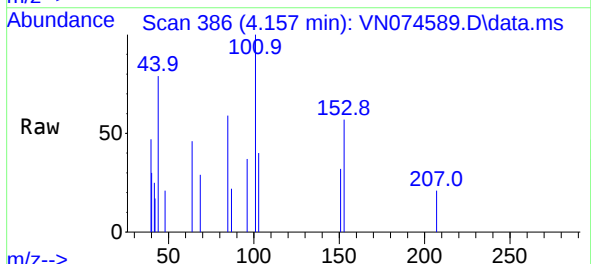
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

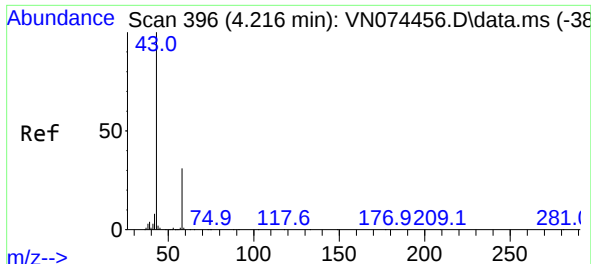
Tgt Ion: 59 Resp: 3232
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.718 ug/l
RT: 4.157 min Scan# 386
Delta R.T. 0.053 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 96 Resp: 113
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

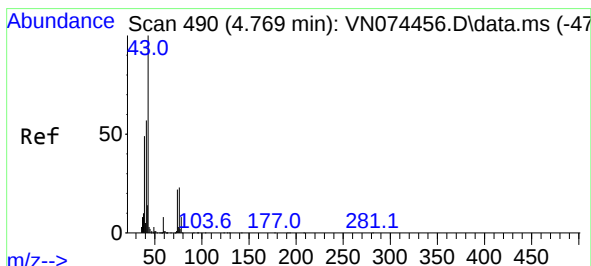
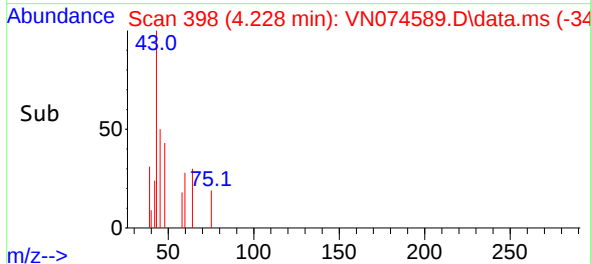
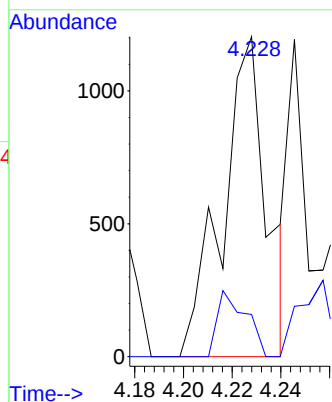
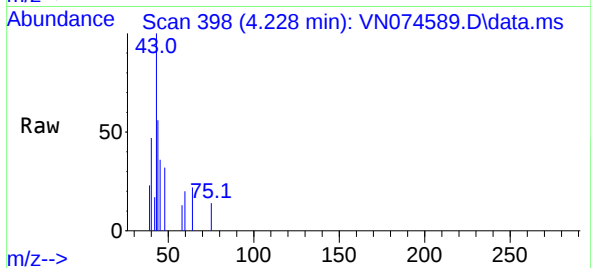




#16
Acetone
Concen: 0.551 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

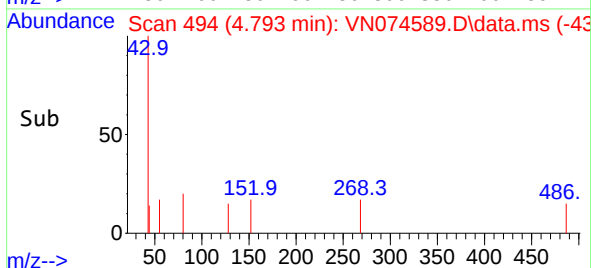
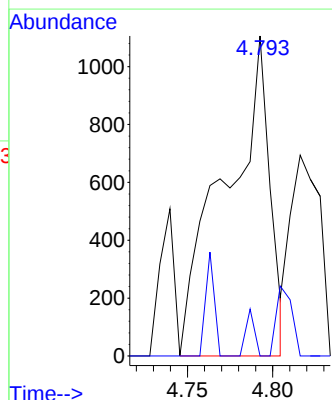
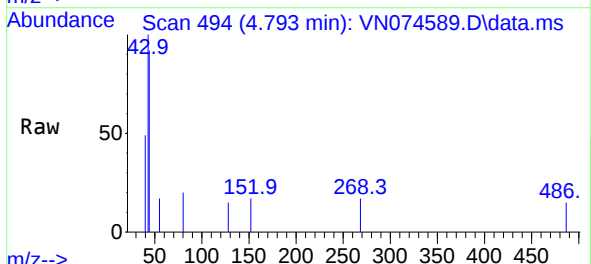
Instrument :
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ClientSampleId :
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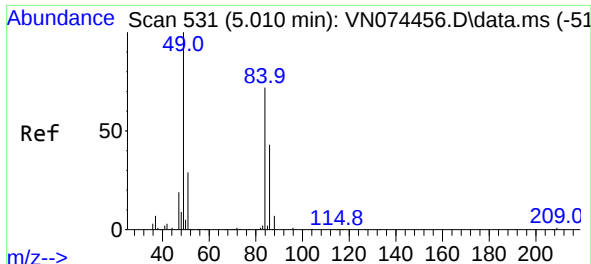
Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
58 13.2 26.0 39.0#



#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.024 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
74 2.8 21.6 32.4#

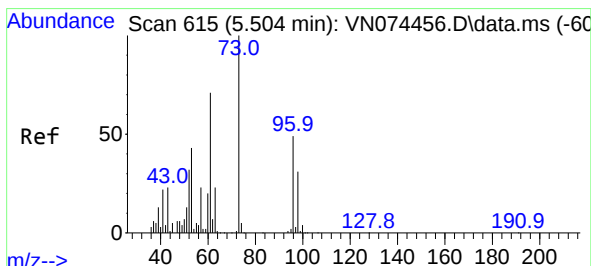
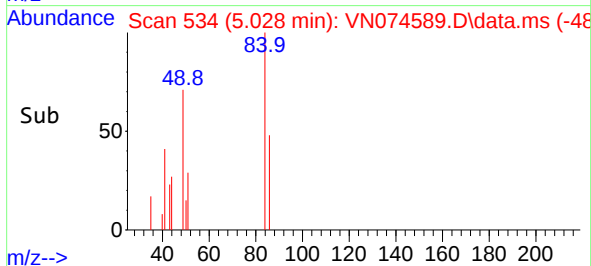
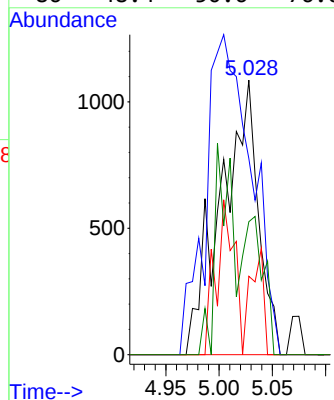
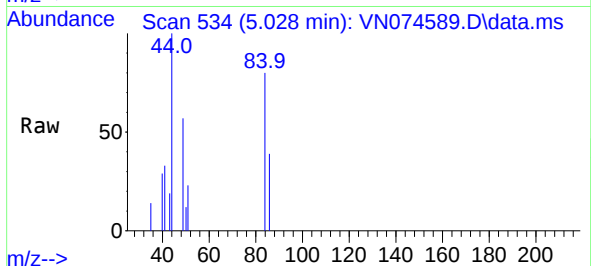




#20
Methylene Chloride
Concen: 0.664 ug/l
RT: 5.028 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

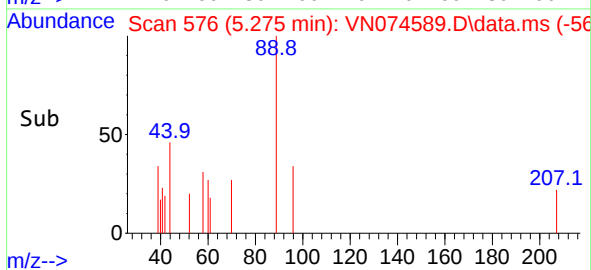
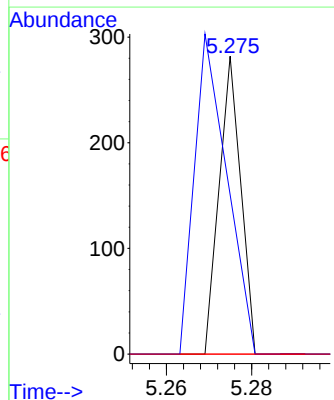
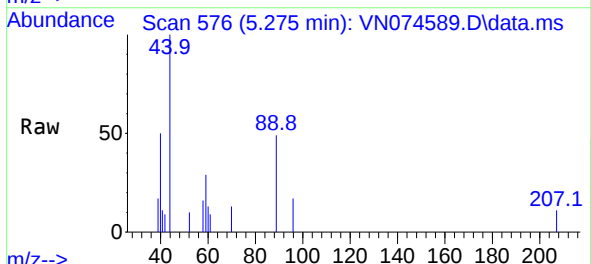
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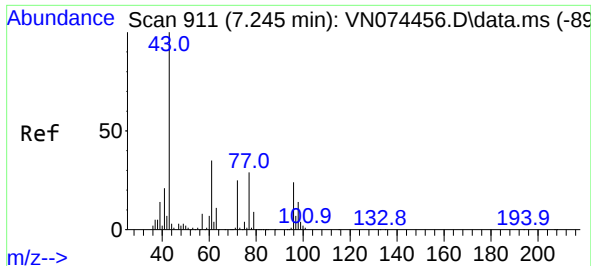
Tgt Ion:	84	Resp:	2651
Ion	Ratio	Lower	Upper
84	100		
49	71.5	88.3	132.5#
51	28.5	28.2	42.2
86	48.4	50.6	76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.456 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.229 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion:	96	Resp:	100
Ion	Ratio	Lower	Upper
96	100		
61	53.5	105.8	158.8#
98	0.0	50.3	75.5#

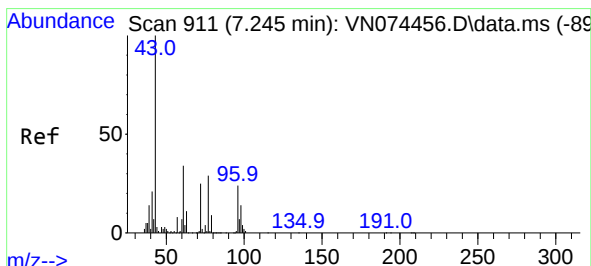
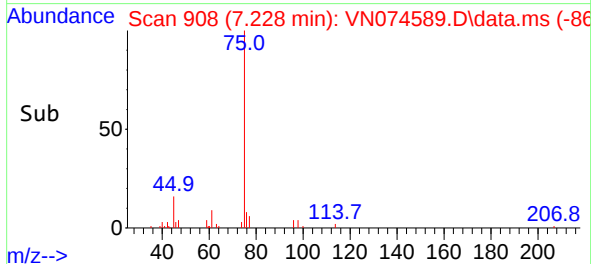
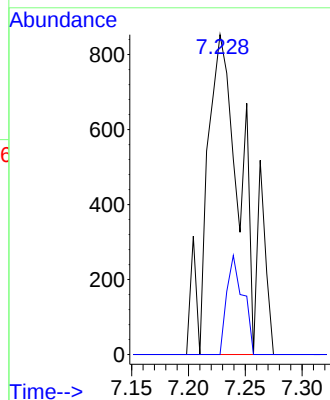
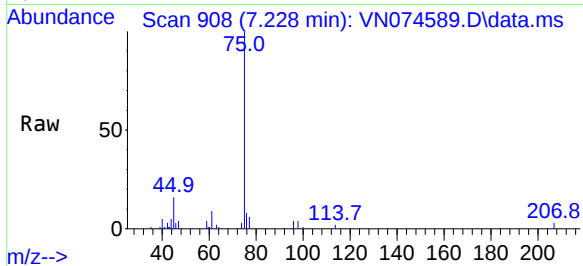




#26
2,2-Dichloropropane
Concen: 0.278 ug/l
RT: 7.228 min Scan# 90
Delta R.T. -0.017 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

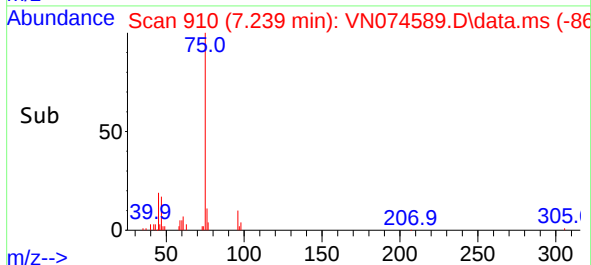
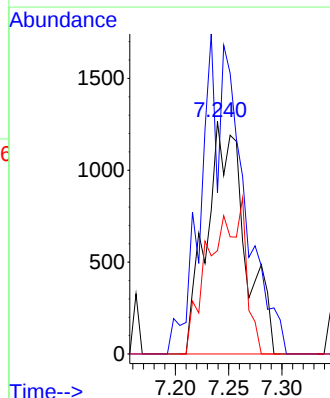
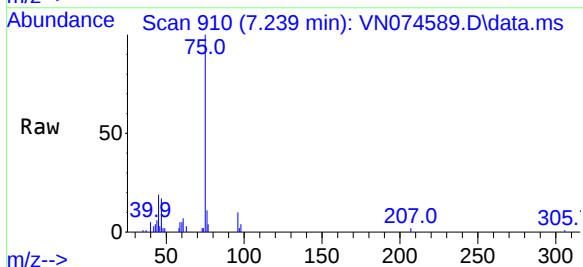
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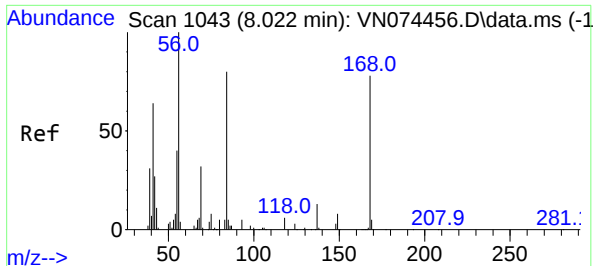
Tgt Ion: 77 Resp: 1908
Ion Ratio Lower Upper
77 100
97 13.8 11.4 34.2



#27
cis-1,2-Dichloroethene
Concen: 0.680 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 96 Resp: 3179
Ion Ratio Lower Upper
96 100
61 62.4 0.0 280.6
98 0.0 0.0 128.4





#31

Cyclohexane

Concen: 1.119 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074589.D

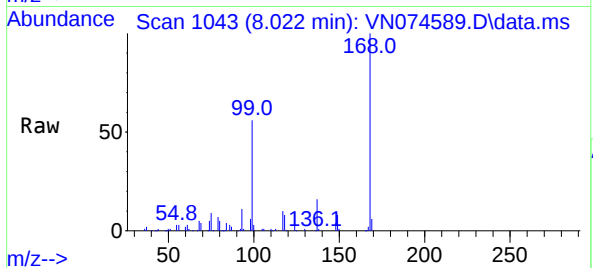
Acq: 19 Sep 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

MW-06-1.5-11.5-083122DL2



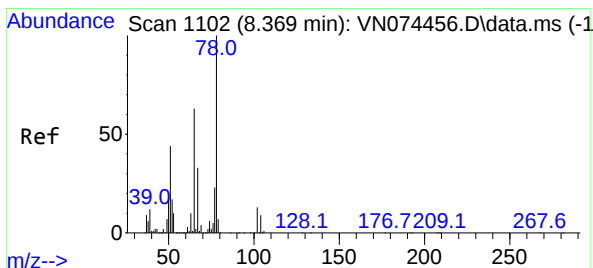
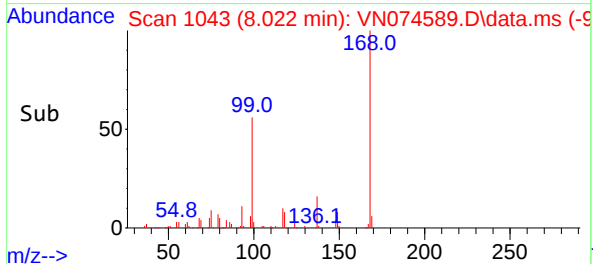
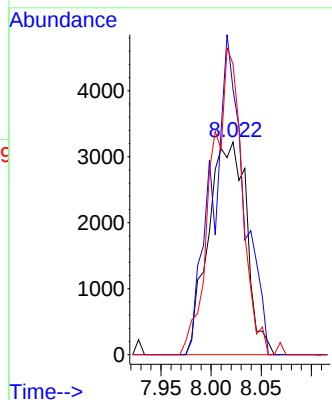
Tgt Ion: 56 Resp: 8504

Ion Ratio Lower Upper

56 100

69 124.9 27.8 41.8#

84 136.7 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.407 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074589.D

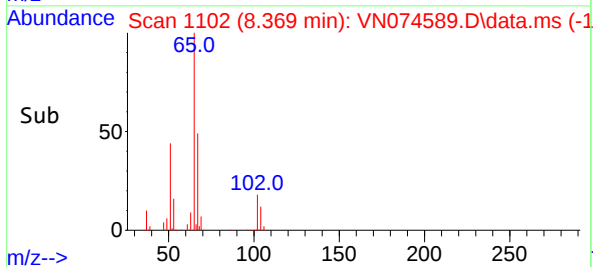
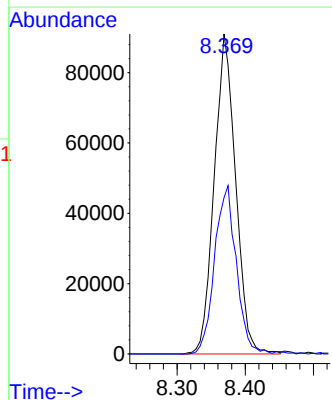
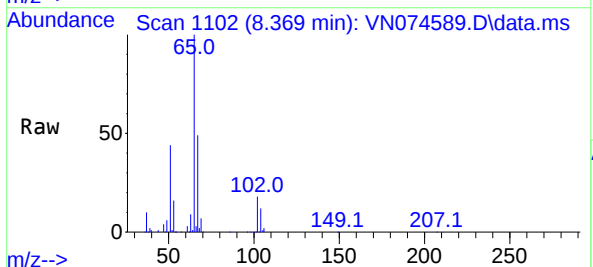
Acq: 19 Sep 2022 16:28

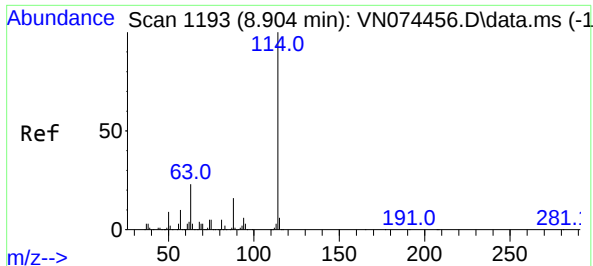
Tgt Ion: 65 Resp: 198741

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8

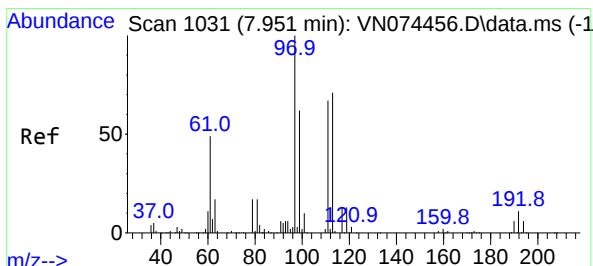
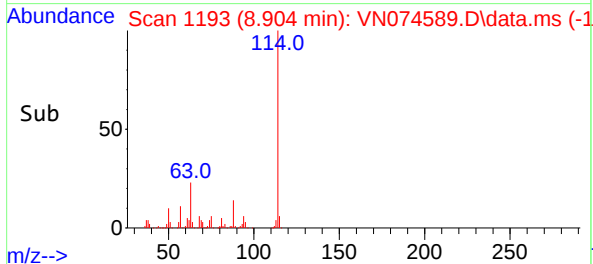
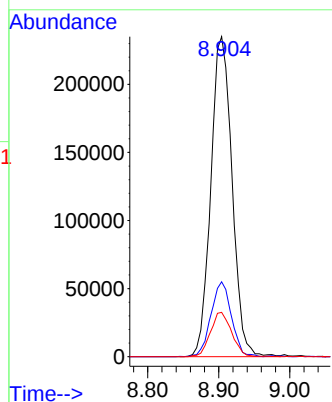
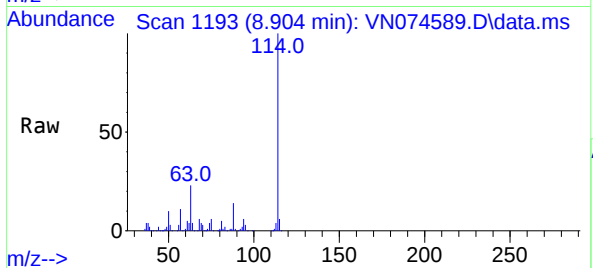




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

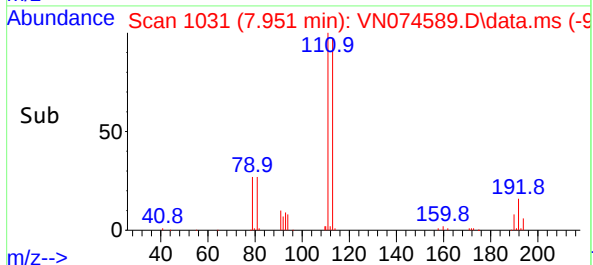
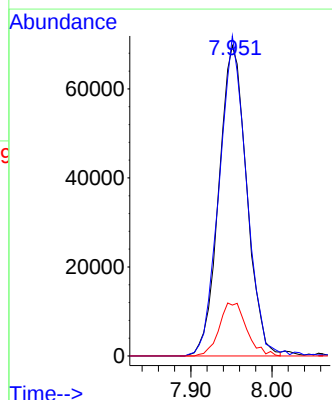
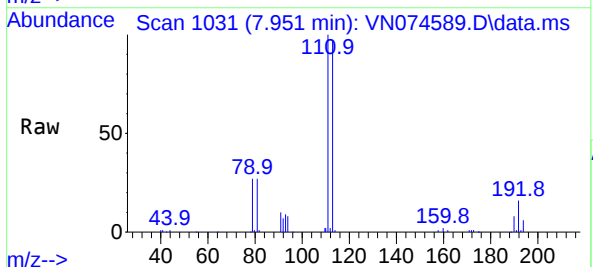
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

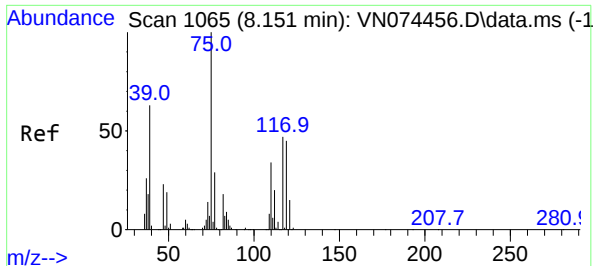
Tgt Ion:	114	Resp:	486990
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	40.0
88	13.9	0.0	32.6



#35
Dibromofluoromethane
Concen: 51.293 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion:	113	Resp:	165932
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.0
192	16.8	17.0	25.6#

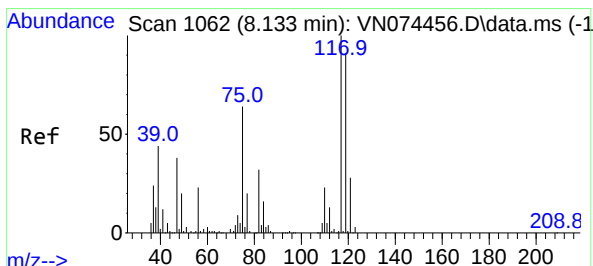
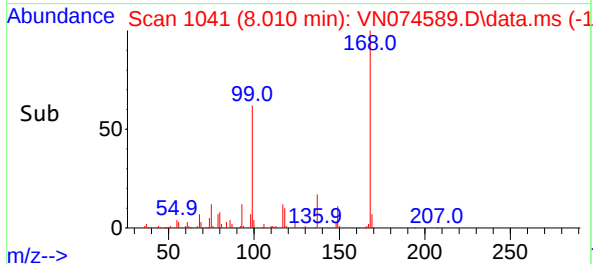
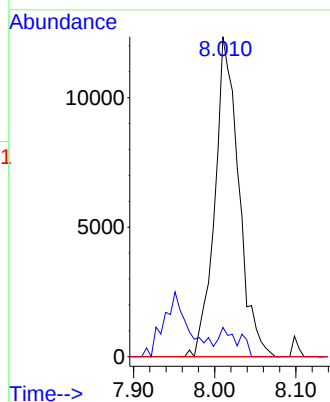
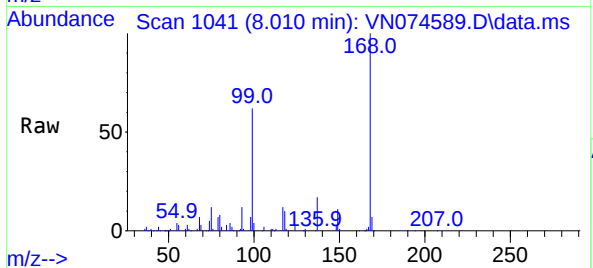




#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

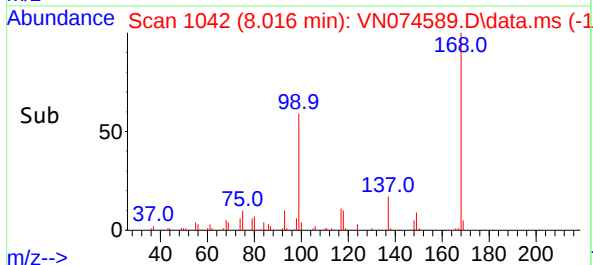
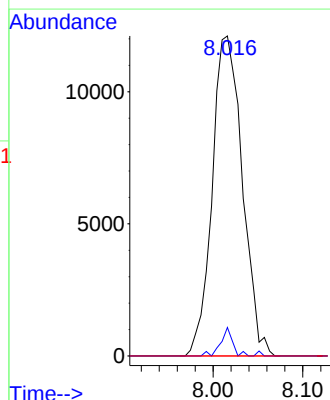
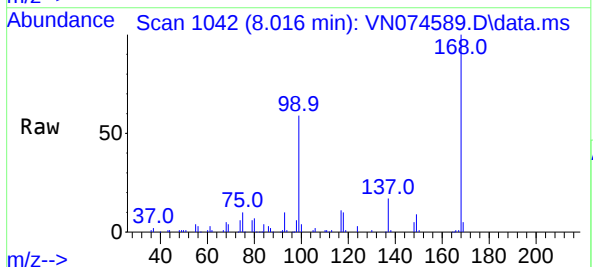
Instrument : MSVOA_N
ClientSampleId : MW-06-1.5-11.5-083122DL2

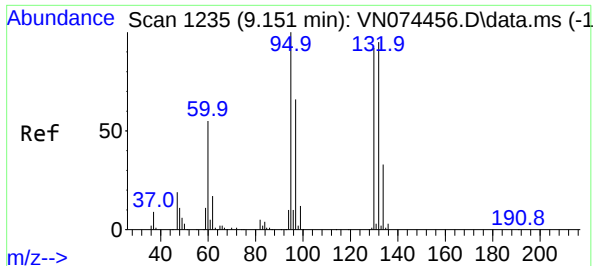
Tgt Ion: 75 Resp: 25296
Ion Ratio Lower Upper
75 100
110 7.5 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.346 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 117 Resp: 28261
Ion Ratio Lower Upper
117 100
119 8.9 75.8 113.8#
121 0.0 24.6 37.0#

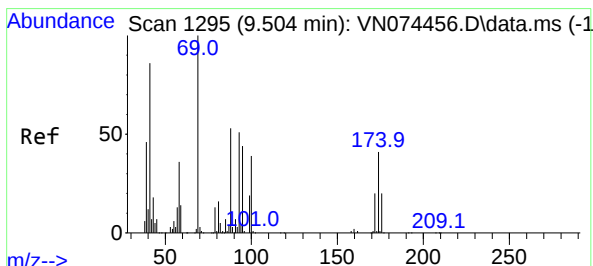
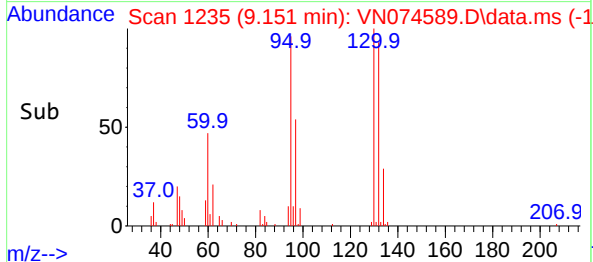
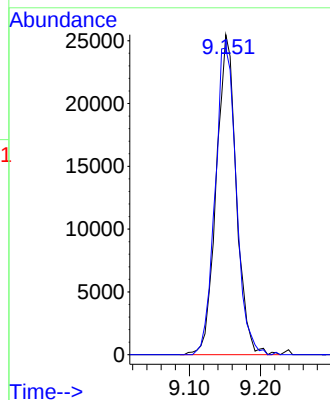
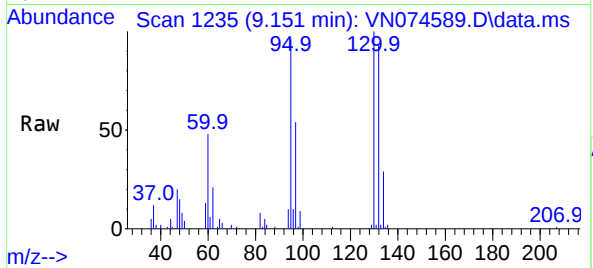




#44
Trichloroethene
Concen: 12.977 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

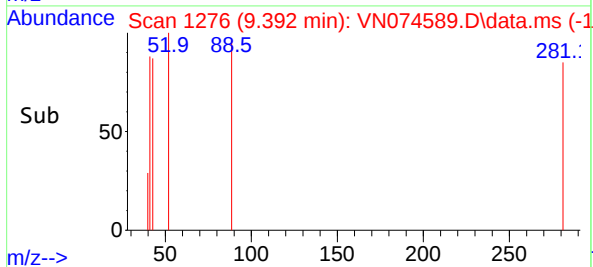
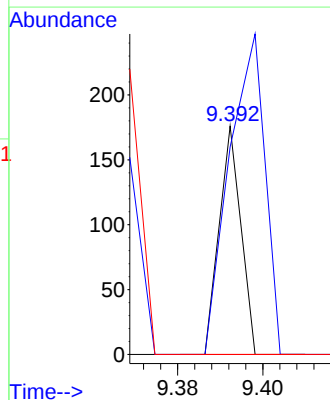
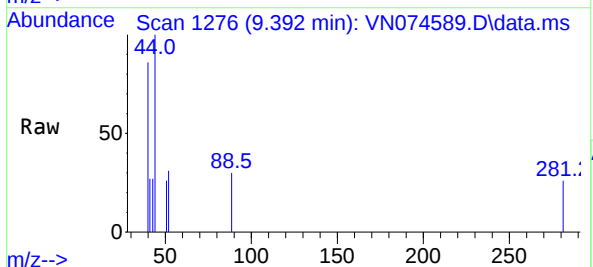
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

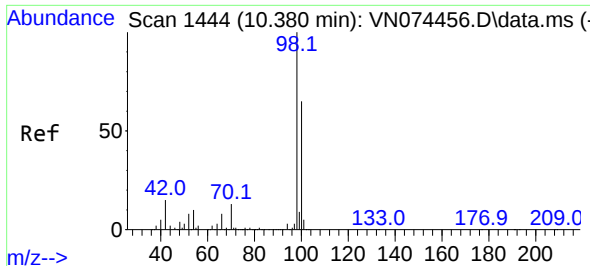
Tgt Ion:130 Resp: 49722
Ion Ratio Lower Upper
130 100
95 95.8 0.0 186.8



#49
1,4-Dioxane
Concen: 0.525 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. -0.112 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 232.3 20.2 30.4#
58 0.0 54.2 81.4#

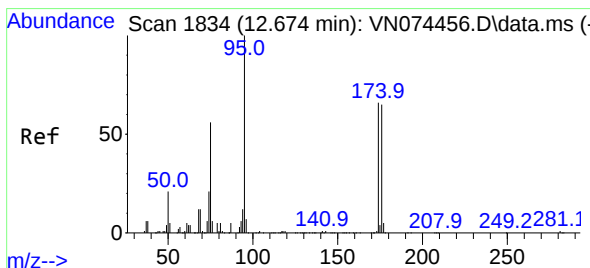
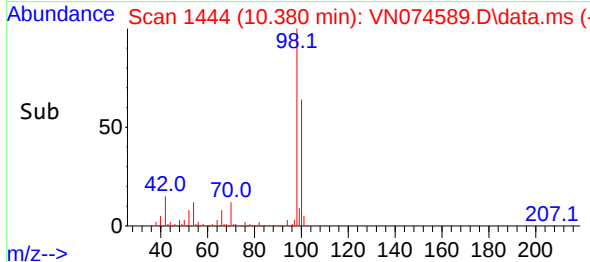
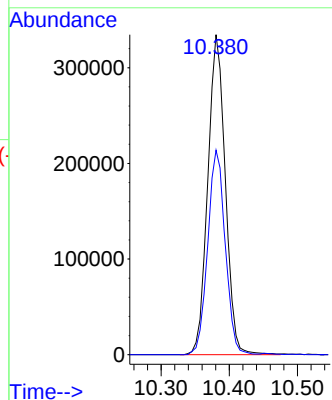
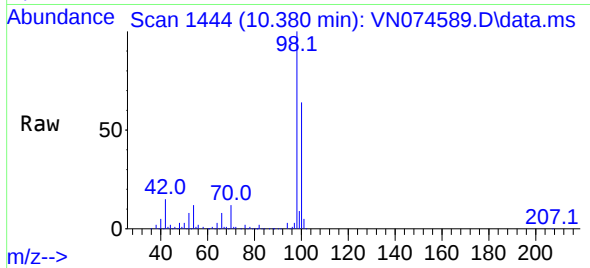




#50
Toluene-d8
Concen: 47.851 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

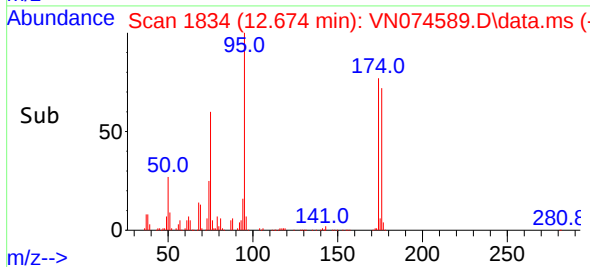
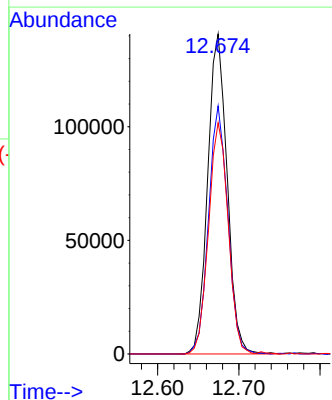
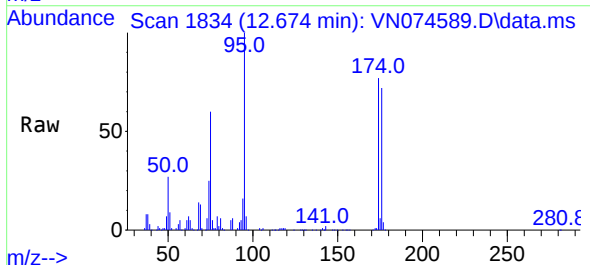
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

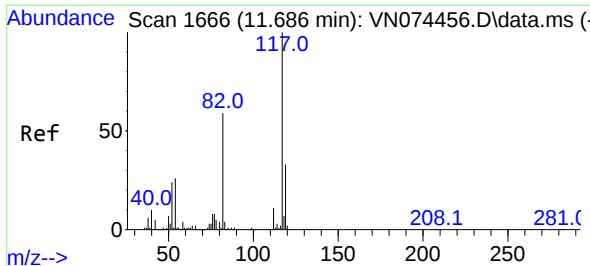
Tgt Ion: 98 Resp: 598656
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 54.567 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 95 Resp: 233815
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 72.8 0.0 163.4

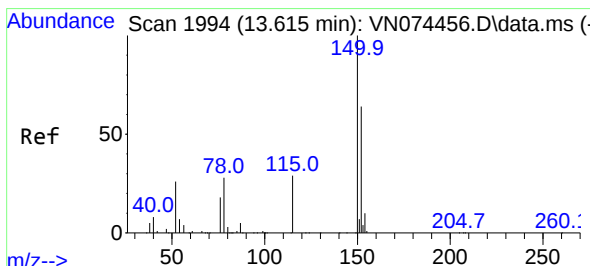
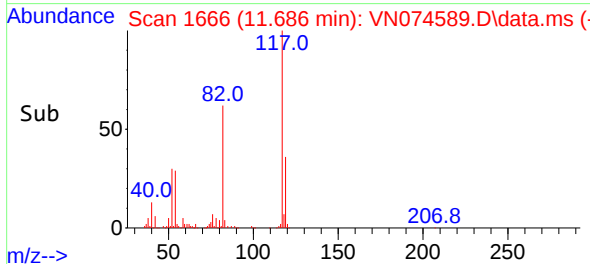
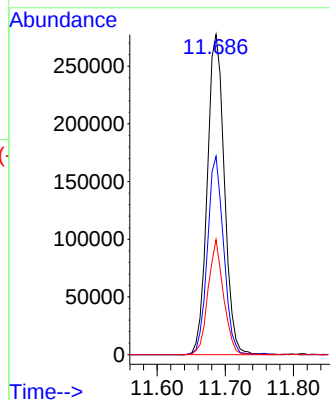
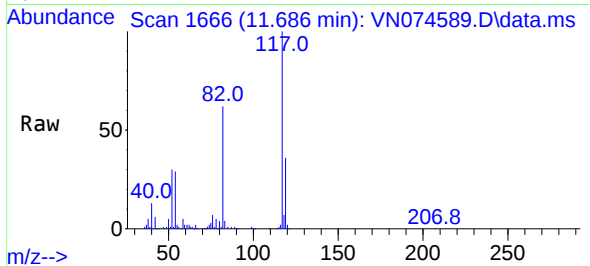




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

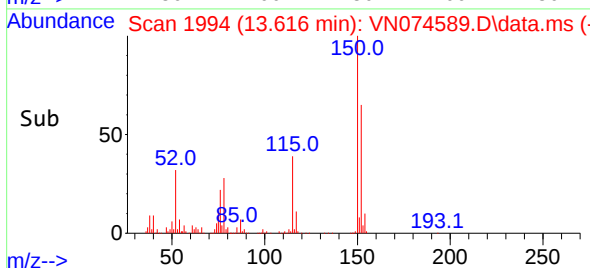
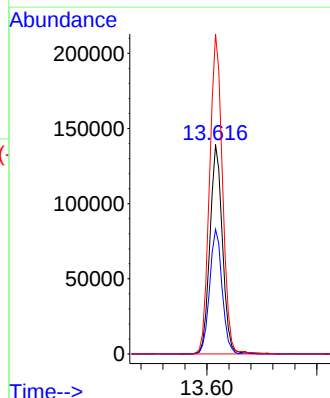
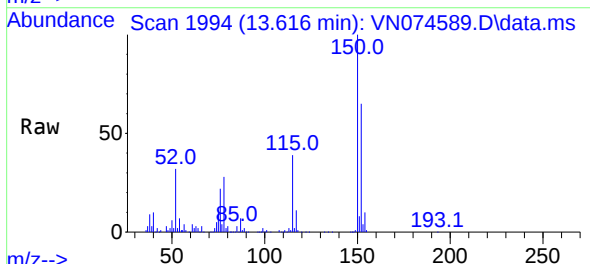
Instrument : MSVOA_N
ClientSampleId : MW-06-1.5-11.5-083122DL2

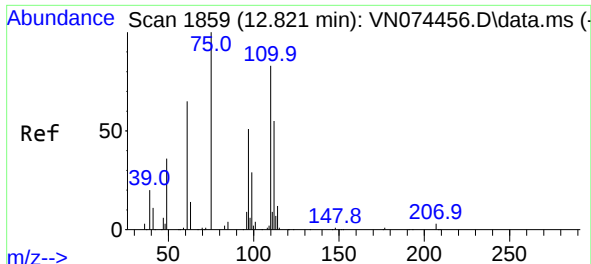
Tgt Ion:	117	Resp:	484006
Ion	Ratio	Lower	Upper
117	100		
82	62.0	44.2	66.2
119	36.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion:	152	Resp:	220434
Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.9	86.7
150	156.8	0.0	356.2

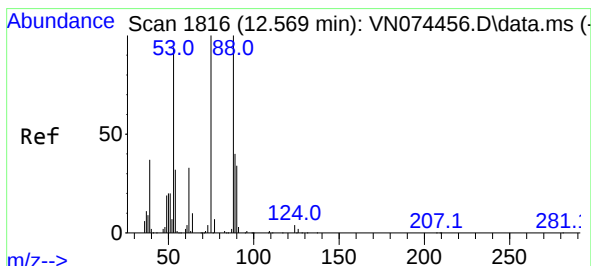
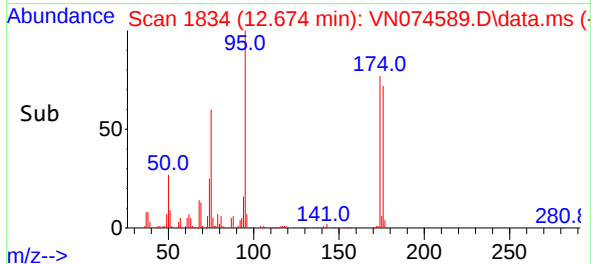
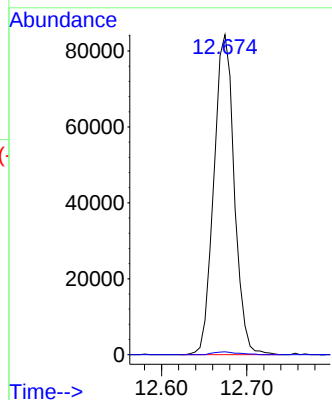
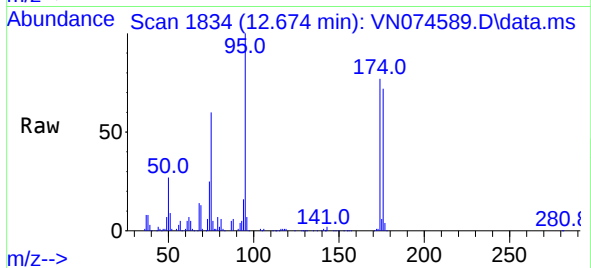




#76
1,2,3-Trichloropropane
Concen: 20.765 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

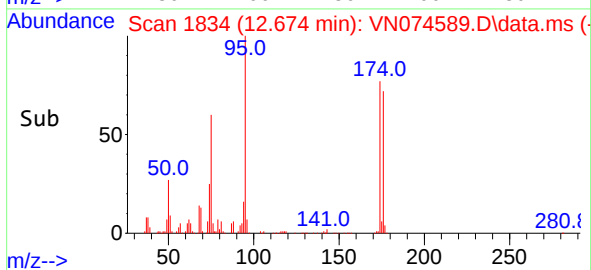
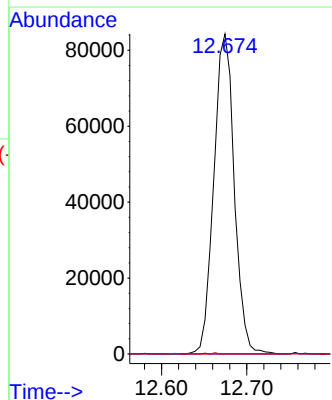
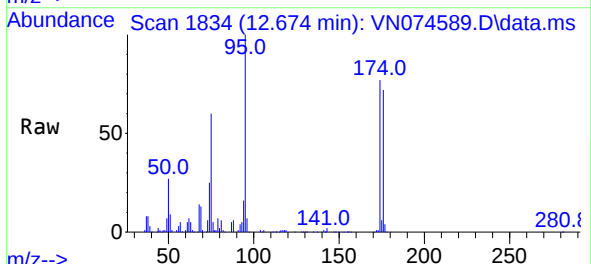
Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

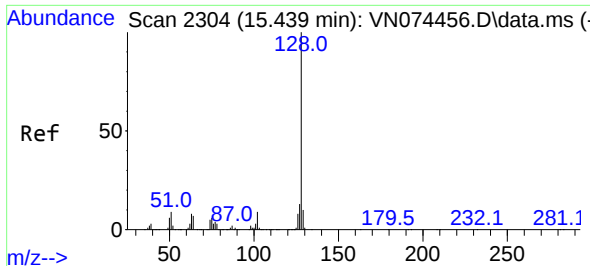
Tgt Ion: 75 Resp: 140891
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.817 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion: 75 Resp: 140891
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

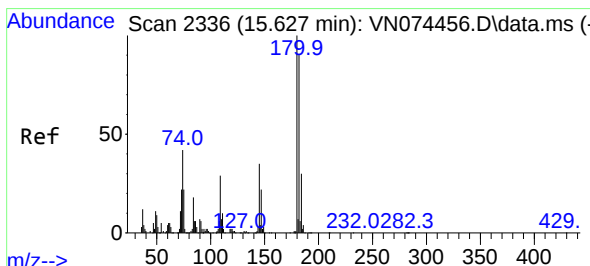
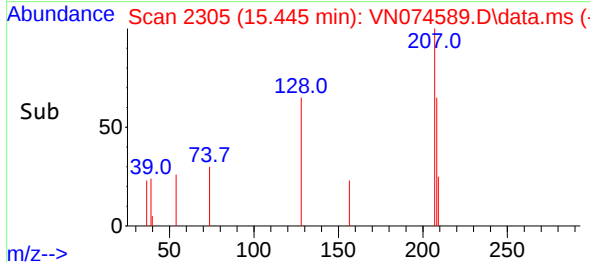
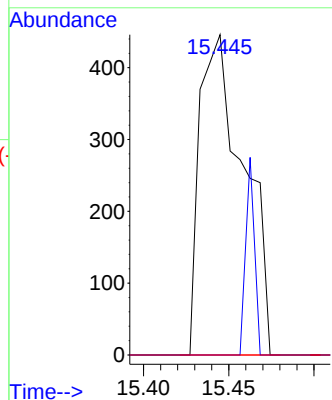
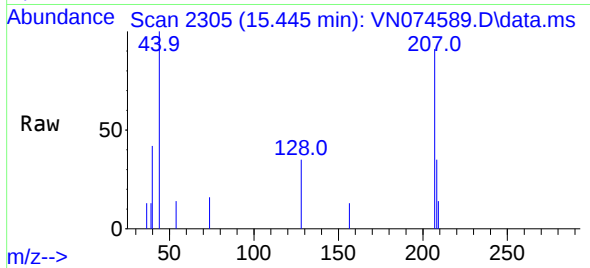




#95
Naphthalene
Concen: 1.630 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Instrument :
MSVOA_N
ClientSampleId :
MW-06-1.5-11.5-083122DL2

Tgt Ion:128 Resp: 799
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.362 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.018 min
Lab File: VN074589.D
Acq: 19 Sep 2022 16:28

Tgt Ion:180 Resp: 120
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

