

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074611.D
 Acq On : 21 Sep 2022 14:13
 Operator : JC\MD
 Sample : N4645-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-09-14

Quant Time: Sep 22 06:57:48 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)

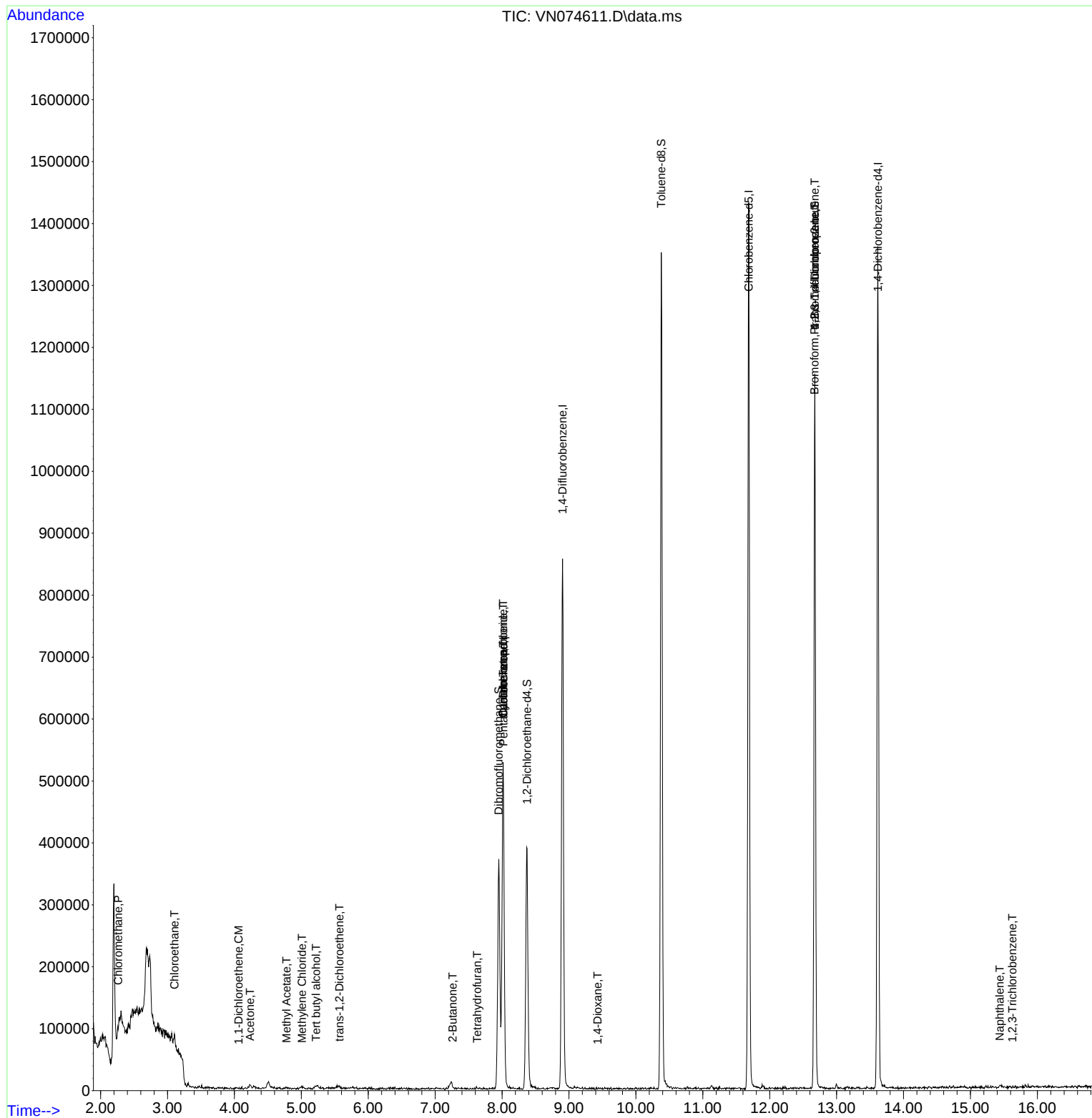
Internal Standards						
1) Pentafluorobenzene	8.022	168	363485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	703827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	718415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	315061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	291840	47.320	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.640%
35) Dibromofluoromethane	7.951	113	240683	51.479	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.960%
50) Toluene-d8	10.380	98	872511	48.254	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.500%
62) 4-Bromofluorobenzene	12.674	95	334161	53.959	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1855	0.536	ug/l #	82
6) Chloroethane	3.104	64	41004	8.430	ug/l #	42
11) Tert butyl alcohol	5.222	59	2194	1.092	ug/l #	72
12) 1,1-Dichloroethene	4.063	96	105	0.706	ug/l #	21
16) Acetone	4.234	43	5302	1.343	ug/l #	80
18) Methyl Acetate	4.781	43	2904	0.237	ug/l #	66
20) Methylene Chloride	5.010	84	1858	0.339	ug/l #	45
21) trans-1,2-Dichloroethene	5.569	96	124	0.452	ug/l #	1
25) 2-Butanone	7.263	43	1442	0.220	ug/l #	45
28) Bromochloromethane	7.622	49	65	Below Cal	#	8
29) Tetrahydrofuran	7.628	42	925	0.215	ug/l #	73
31) Cyclohexane	8.016	56	11872	1.084	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	35091	4.240	ug/l #	51
38) Carbon Tetrachloride	8.016	117	39934	5.226	ug/l #	15
49) 1,4-Dioxane	9.427	88	185	1.084	ug/l #	1
71) Bromoform	12.668	173	2020	0.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	205479	21.188	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	205479	45.731	ug/l #	10
95) Naphthalene	15.439	128	1569	1.645	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.627	180	137	1.357	ug/l #	54

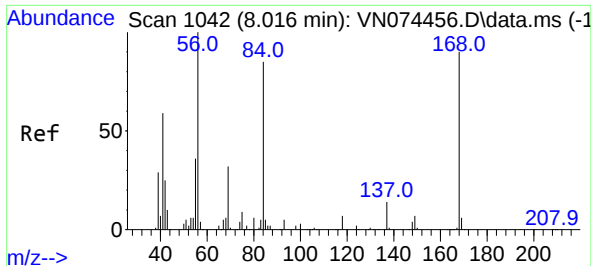
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

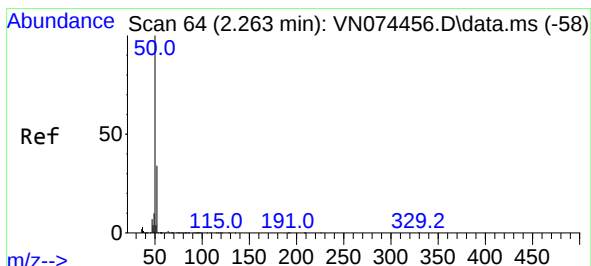
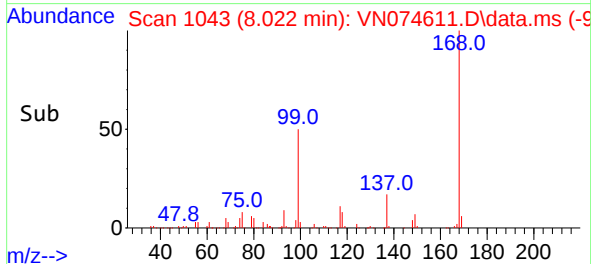
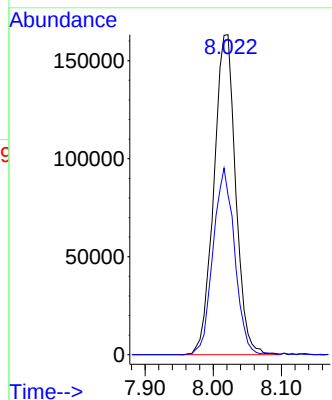
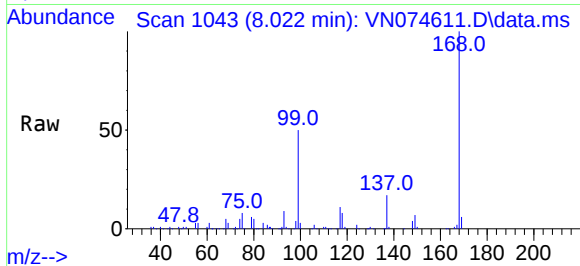




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

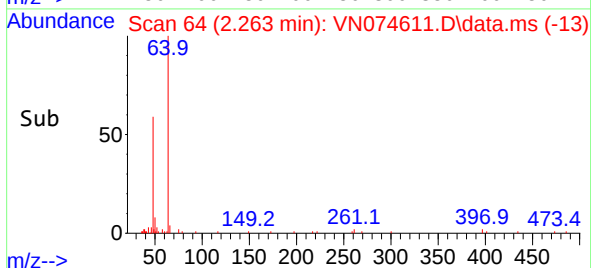
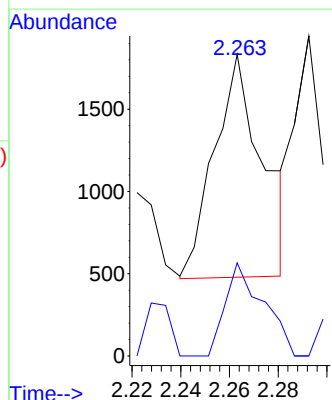
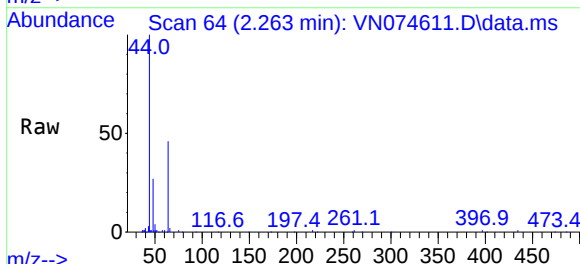
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

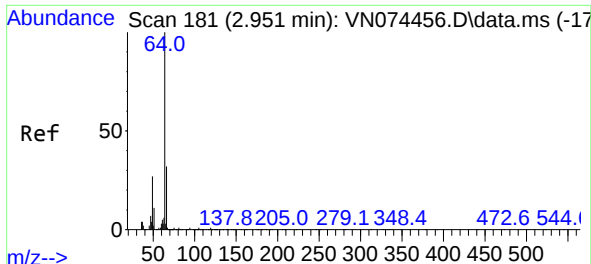
Tgt Ion:168 Resp: 363485
Ion Ratio Lower Upper
168 100
99 49.8 42.3 63.5



#3
Chloromethane
Concen: 0.536 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 50 Resp: 1855
Ion Ratio Lower Upper
50 100
52 42.0 25.7 38.5#

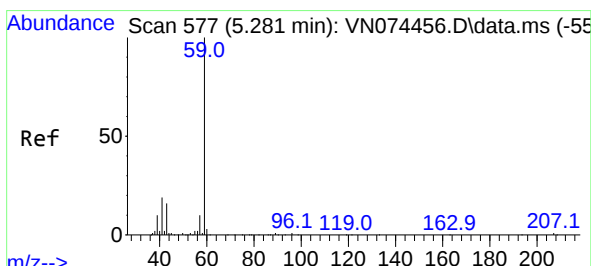
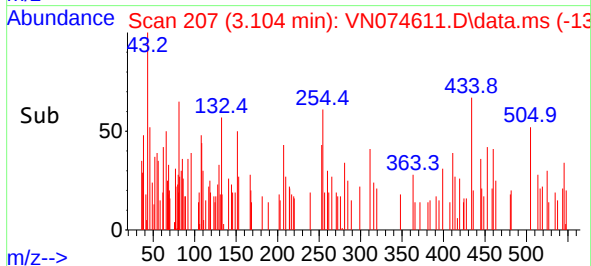
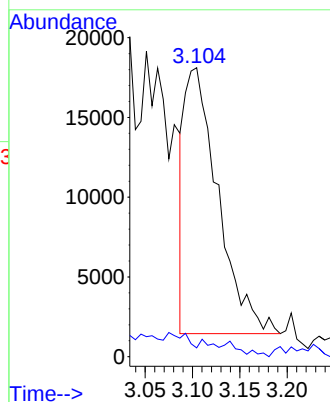
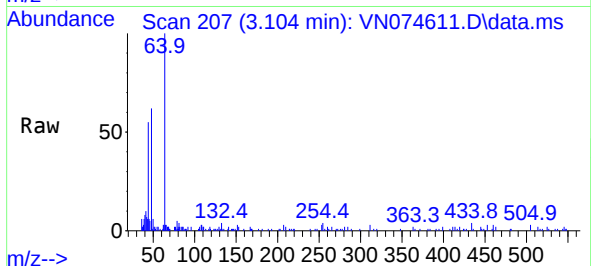




#6
Chloroethane
Concen: 8.430 ug/l
RT: 3.104 min Scan# 20
Delta R.T. 0.153 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

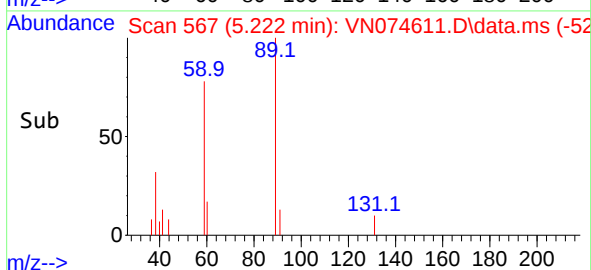
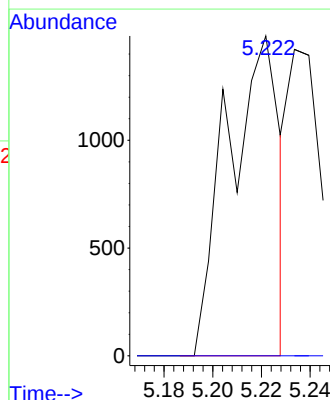
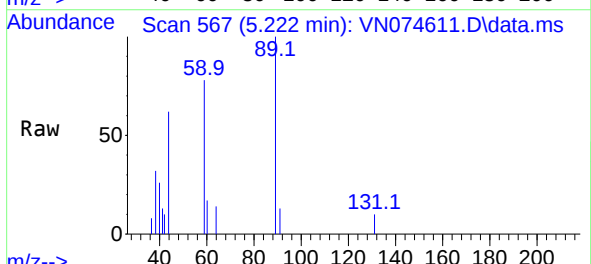
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

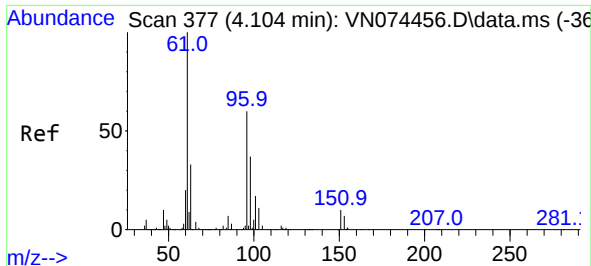
Tgt Ion: 64 Resp: 41004
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.092 ug/l
RT: 5.222 min Scan# 567
Delta R.T. -0.059 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 59 Resp: 2194
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

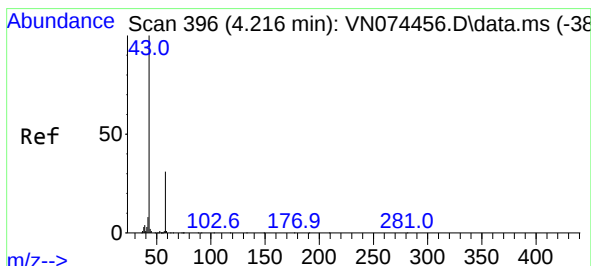
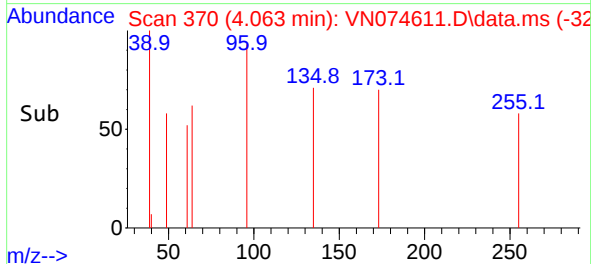
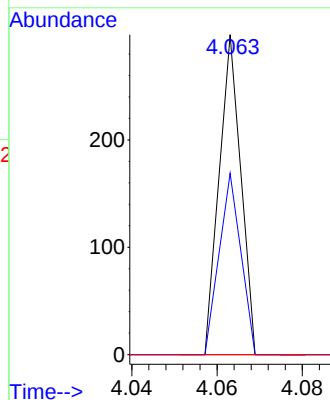
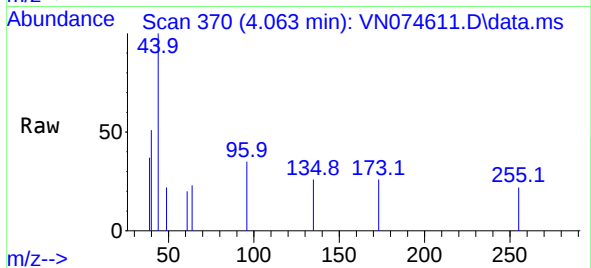




#12
1,1-Dichloroethene
Concen: 0.706 ug/l
RT: 4.063 min Scan# 31
Delta R.T. -0.041 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

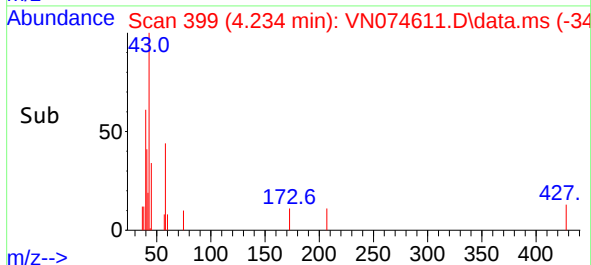
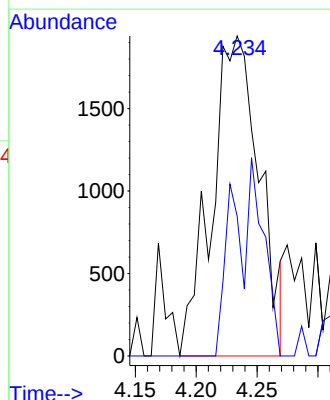
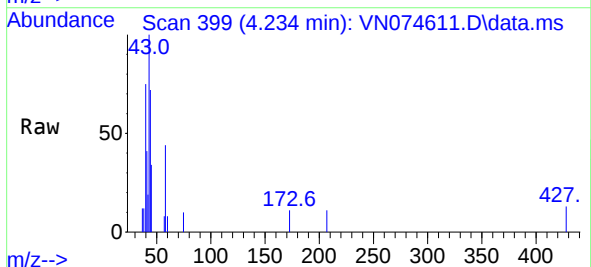
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

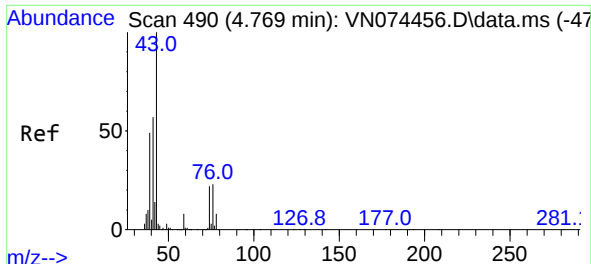
Tgt Ion: 96 Resp: 105
Ion Ratio Lower Upper
96 100
61 56.7 127.6 191.4#
98 0.0 51.2 76.8#



#16
Acetone
Concen: 1.343 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 43 Resp: 5302
Ion Ratio Lower Upper
43 100
58 43.7 26.0 39.0#





#18

Methyl Acetate

Concen: 0.237 ug/l

RT: 4.781 min Scan# 492

Delta R.T. 0.012 min

Lab File: VN074611.D

Acq: 21 Sep 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

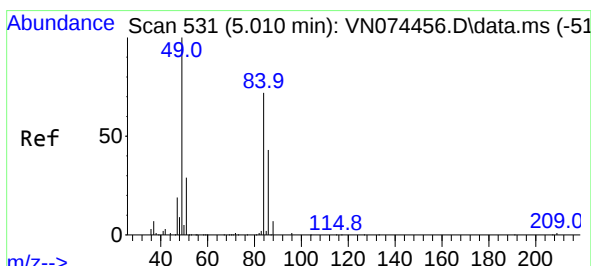
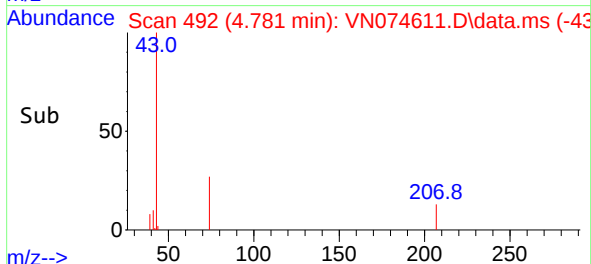
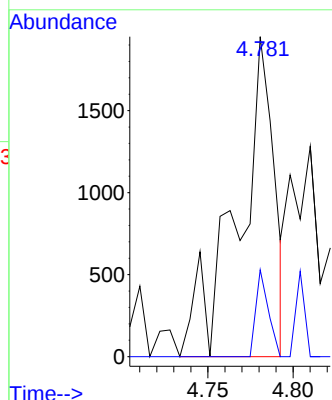
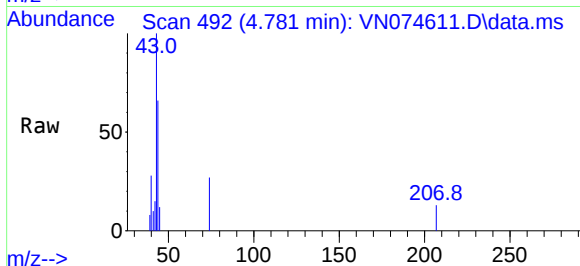
TB-2022-09-14

Tgt Ion: 43 Resp: 2904

Ion Ratio Lower Upper

43 100

74 9.2 21.6 32.4#



#20

Methylene Chloride

Concen: 0.339 ug/l

RT: 5.010 min Scan# 531

Delta R.T. 0.000 min

Lab File: VN074611.D

Acq: 21 Sep 2022 14:13

Tgt Ion: 84 Resp: 1858

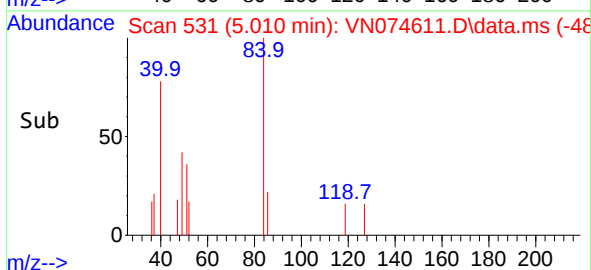
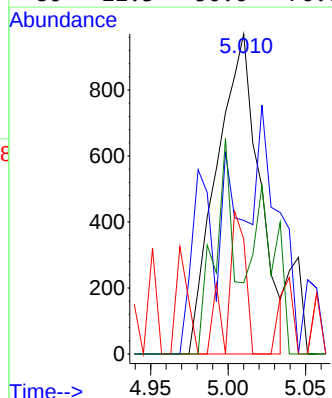
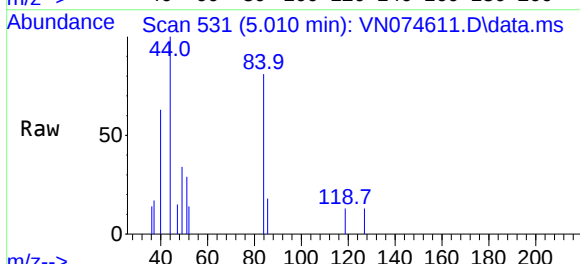
Ion Ratio Lower Upper

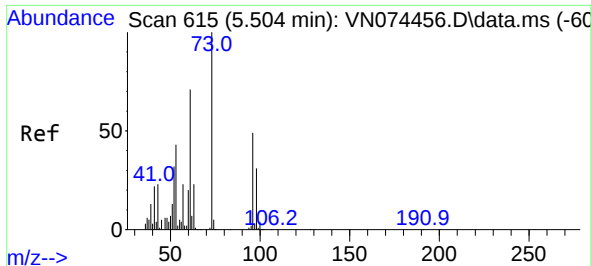
84 100

49 41.8 88.3 132.5#

51 18.1 28.2 42.2#

86 22.3 50.6 76.0#

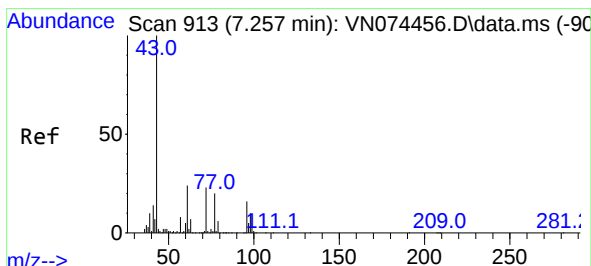
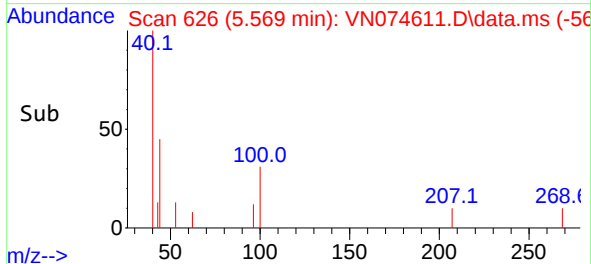
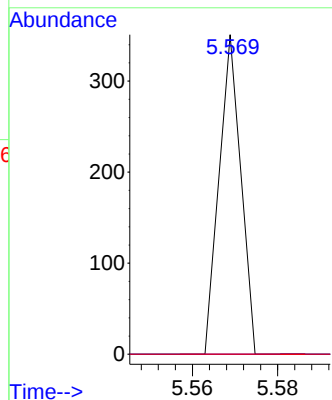
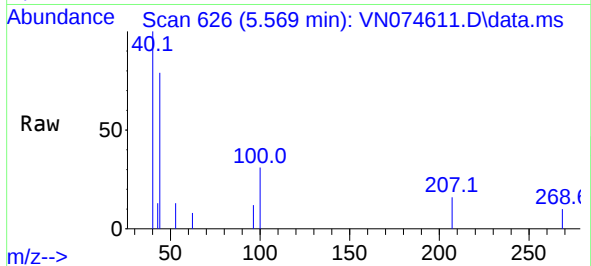




#21
trans-1,2-Dichloroethene
Concen: 0.452 ug/l
RT: 5.569 min Scan# 615
Delta R.T. 0.065 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

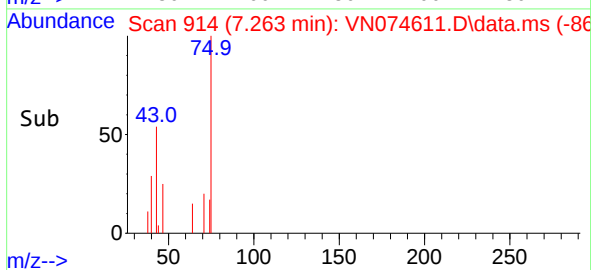
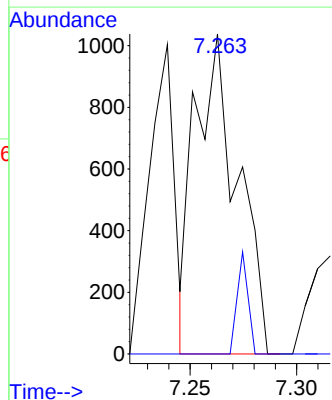
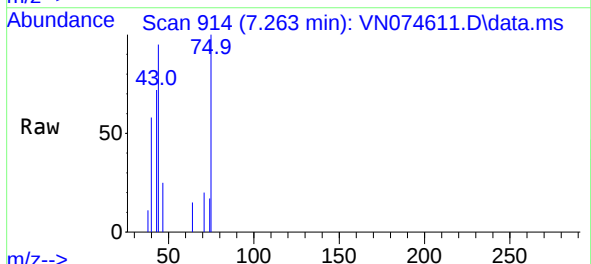
Instrument :
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TB-2022-09-14

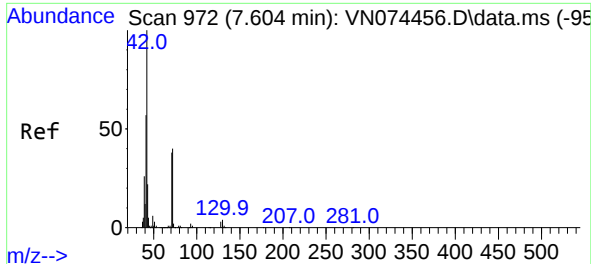
Tgt Ion: 96 Resp: 124
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.220 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.215 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN074611.D

Acq: 21 Sep 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-09-14

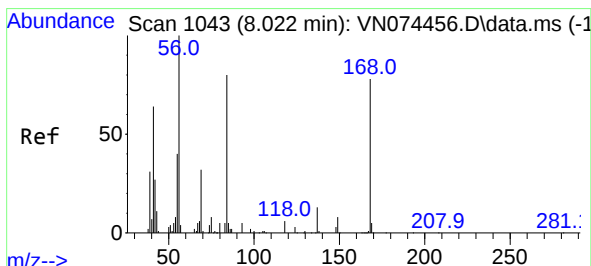
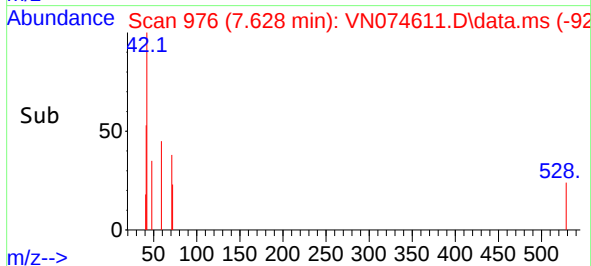
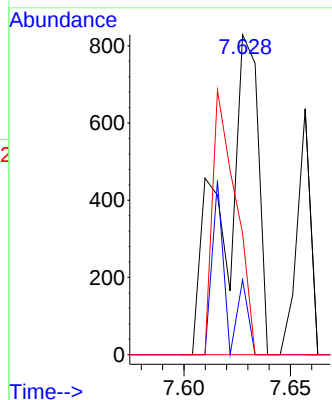
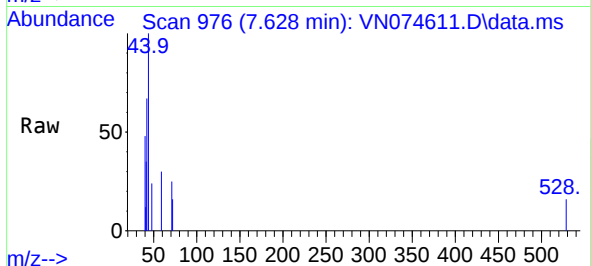
Tgt Ion: 42 Resp: 925

Ion Ratio Lower Upper

42 100

72 24.6 39.7 59.5#

71 56.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074611.D

Acq: 21 Sep 2022 14:13

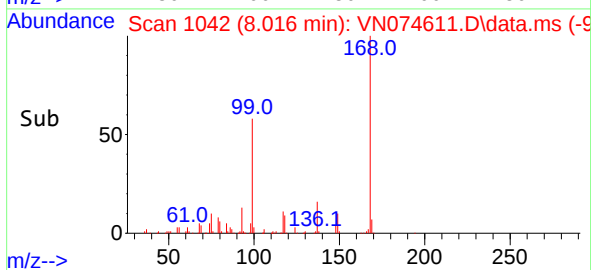
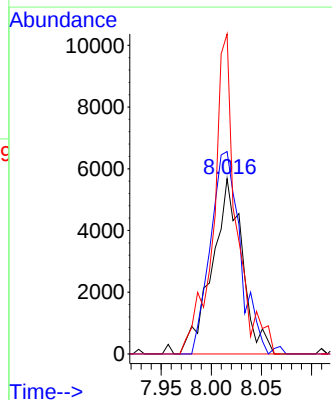
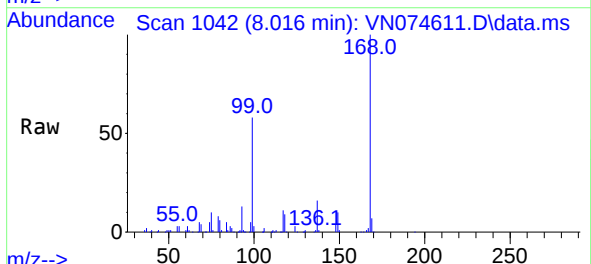
Tgt Ion: 56 Resp: 11872

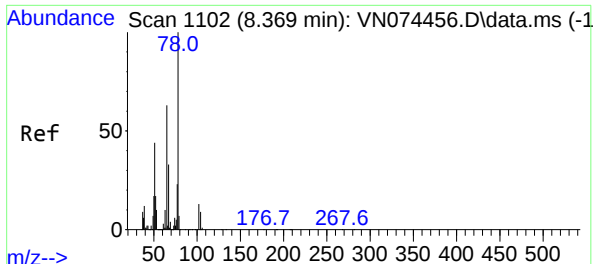
Ion Ratio Lower Upper

56 100

69 115.3 27.8 41.8#

84 182.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.320 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074611.D

Acq: 21 Sep 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

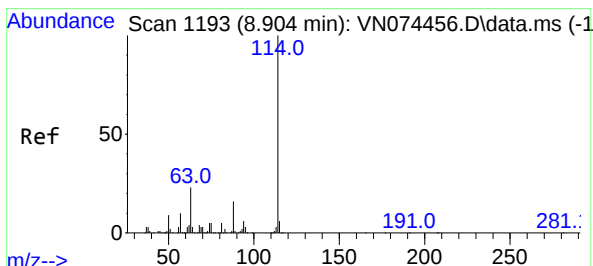
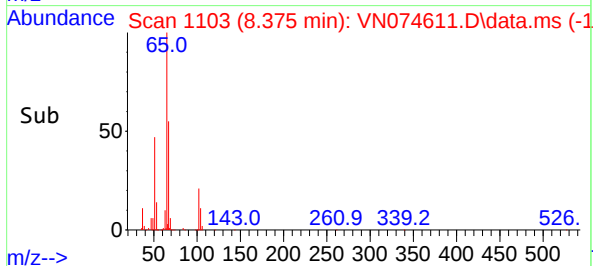
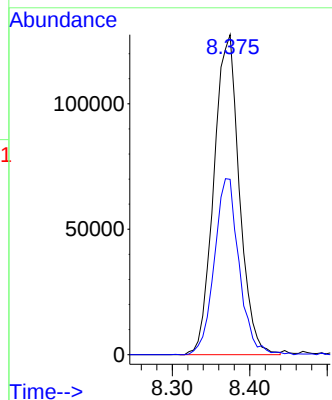
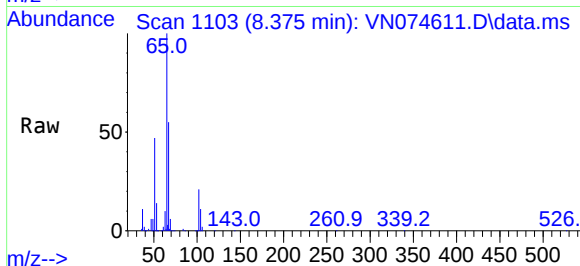
TB-2022-09-14

Tgt Ion: 65 Resp: 291840

Ion Ratio Lower Upper

65 100

67 53.7 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: VN074611.D

Acq: 21 Sep 2022 14:13

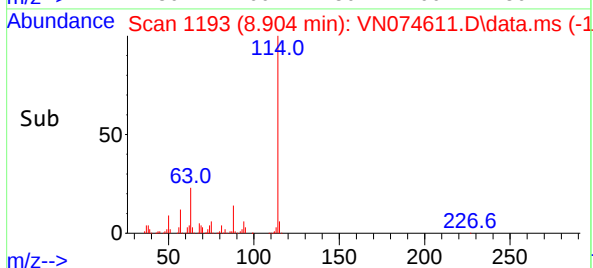
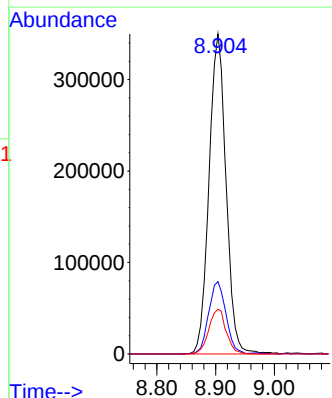
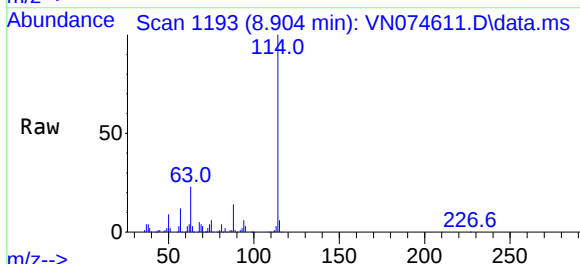
Tgt Ion: 114 Resp: 703827

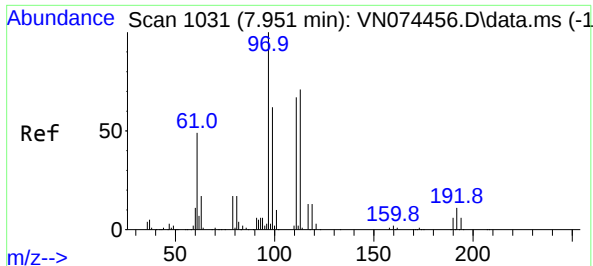
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 14.0 0.0 32.6

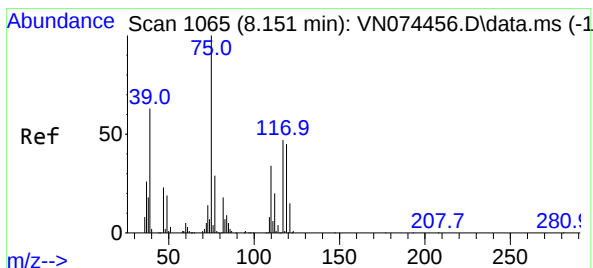
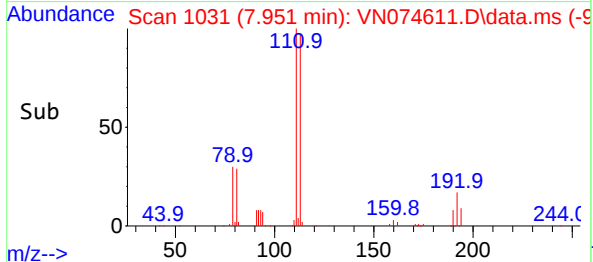
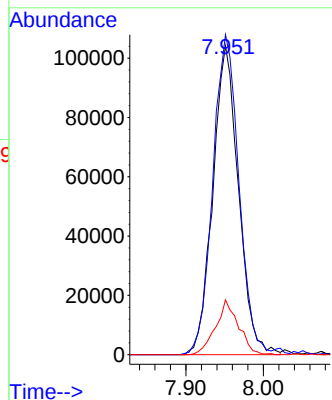
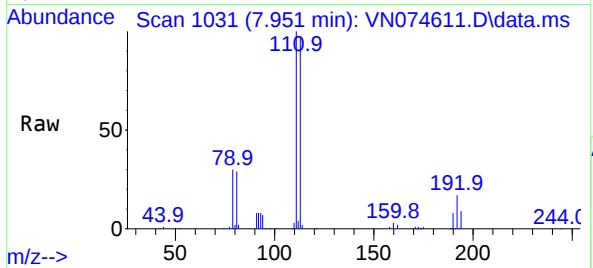




#35
Dibromofluoromethane
Concen: 51.479 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

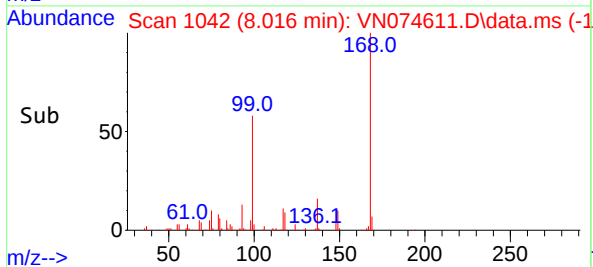
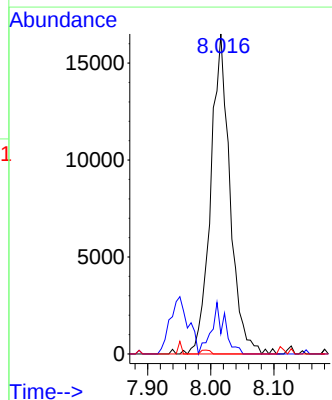
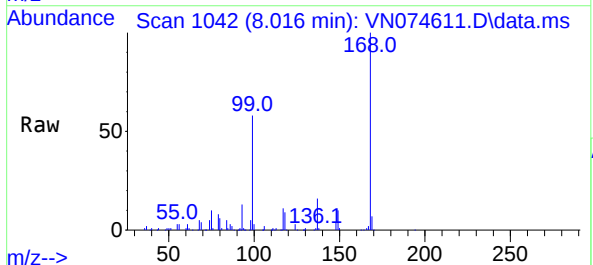
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

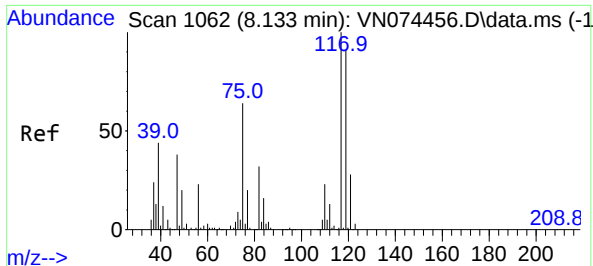
Tgt Ion:113 Resp: 240683
Ion Ratio Lower Upper
113 100
111 104.8 81.4 122.0
192 15.8 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.240 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 75 Resp: 35091
Ion Ratio Lower Upper
75 100
110 11.2 18.3 54.8#
77 0.0 25.1 37.7#

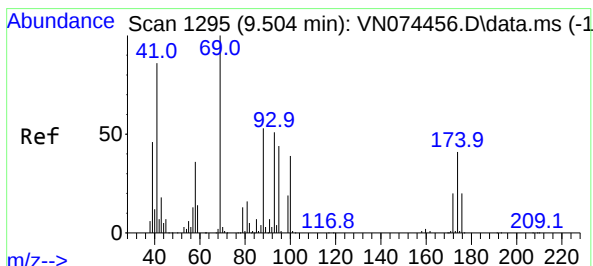
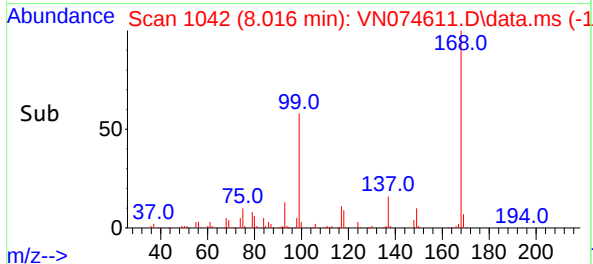
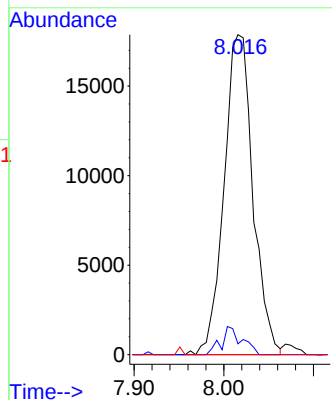
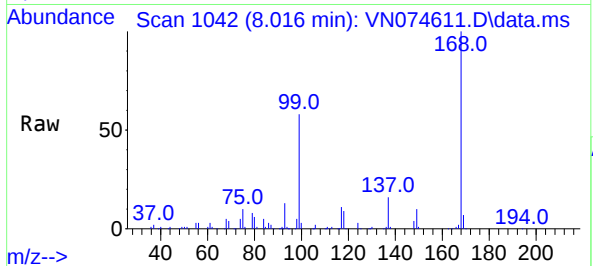




#38
Carbon Tetrachloride
Concen: 5.226 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.117 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

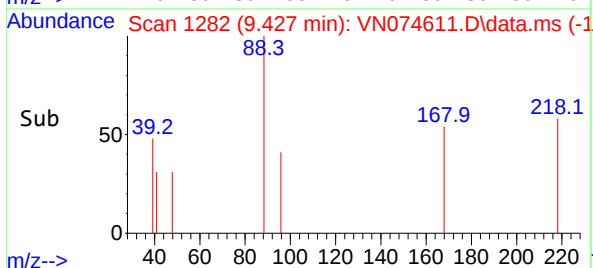
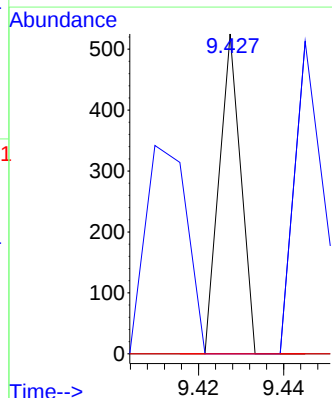
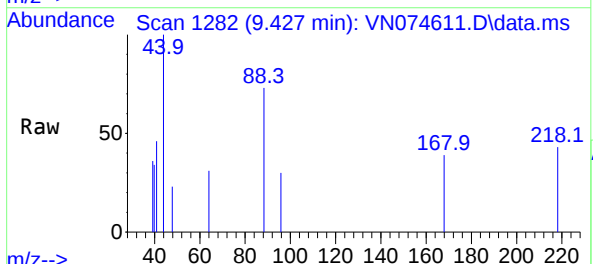
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

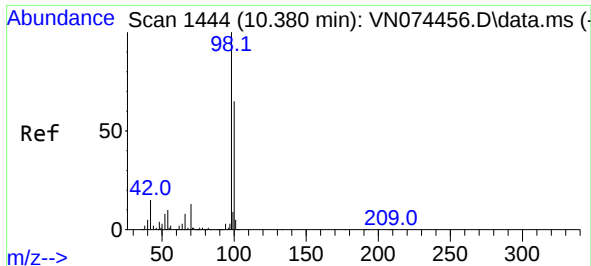
Tgt Ion:117 Resp: 39934
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.084 ug/l
RT: 9.427 min Scan# 1282
Delta R.T. -0.077 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 131.9 20.2 30.4#
58 0.0 54.2 81.4#

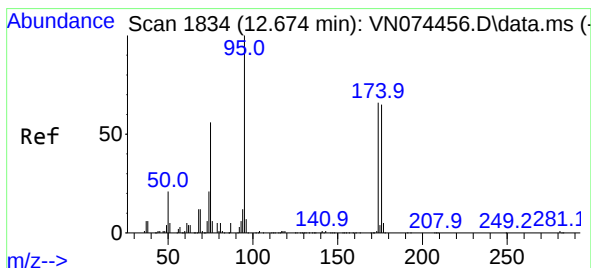
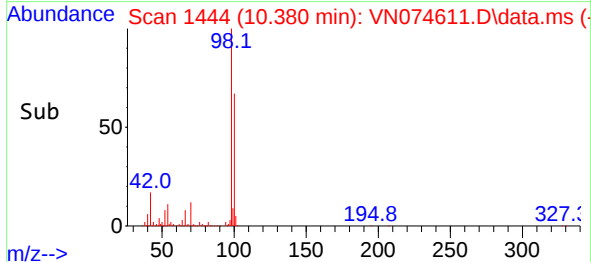
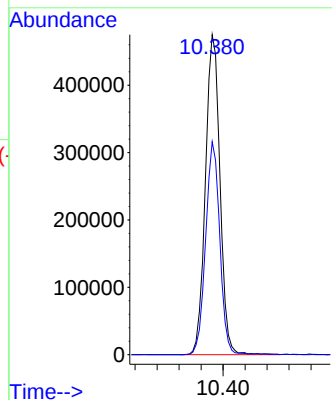
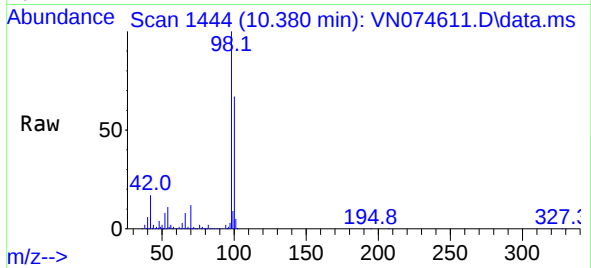




#50
Toluene-d8
Concen: 48.254 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

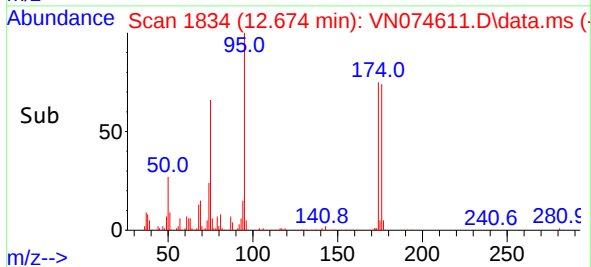
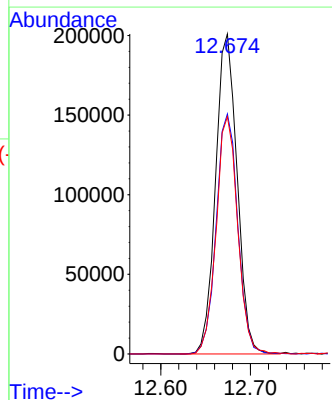
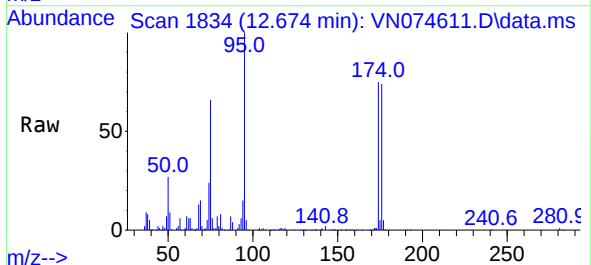
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

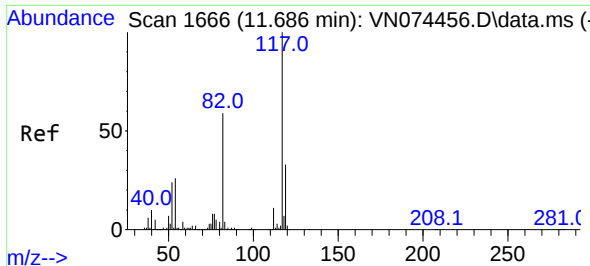
Tgt Ion: 98 Resp: 872511
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.959 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 95 Resp: 334161
Ion Ratio Lower Upper
95 100
174 75.3 0.0 167.6
176 74.0 0.0 163.4

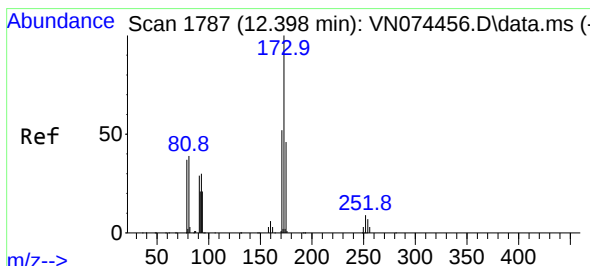
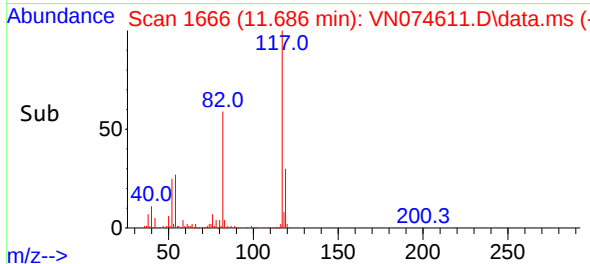
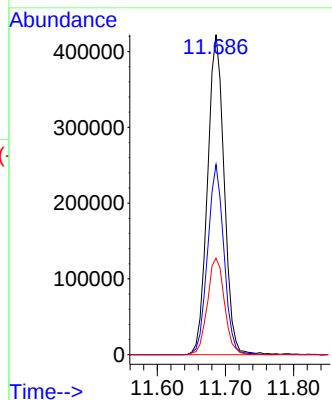
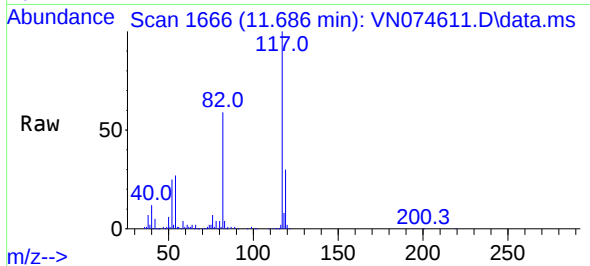




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

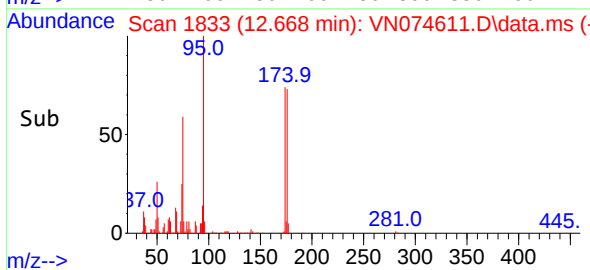
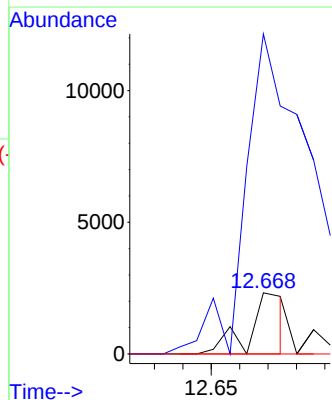
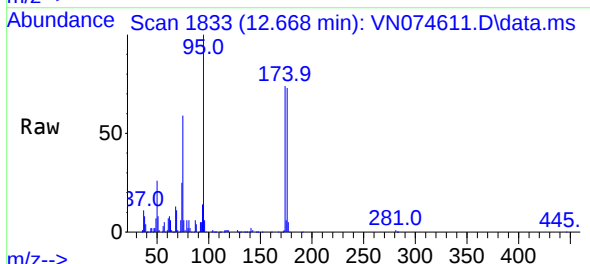
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

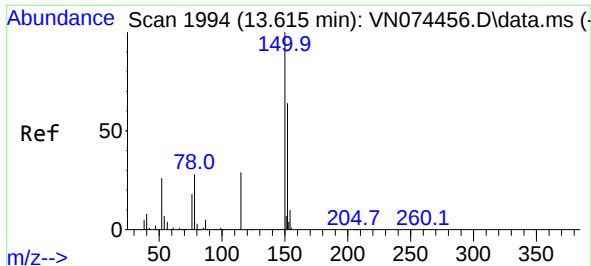
Tgt Ion:	117	Resp:	718415
Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.2	66.2
119	30.1	25.4	38.0



#71
Bromoform
Concen: 0.419 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion:	173	Resp:	2020
Ion	Ratio	Lower	Upper
173	100		
175	551.5	24.6	73.6#
254	0.0	0.1	0.1#

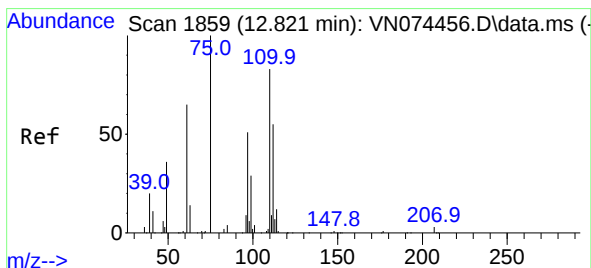
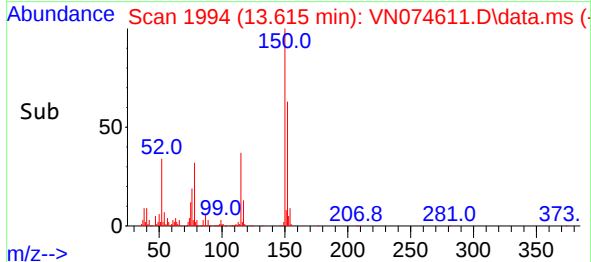
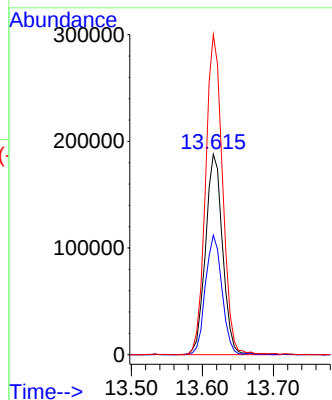
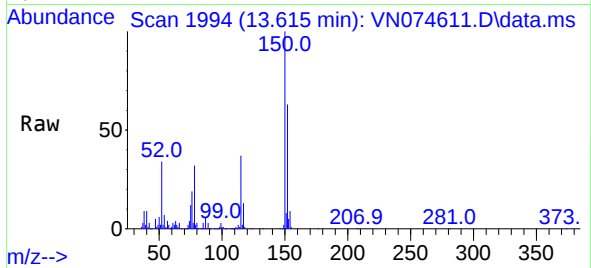




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

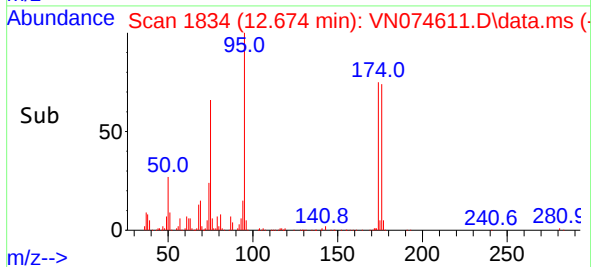
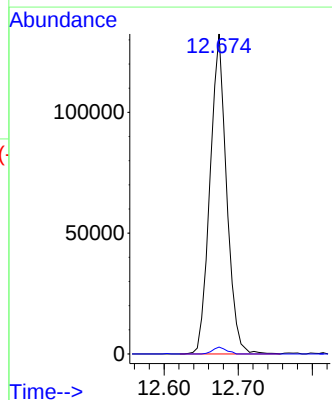
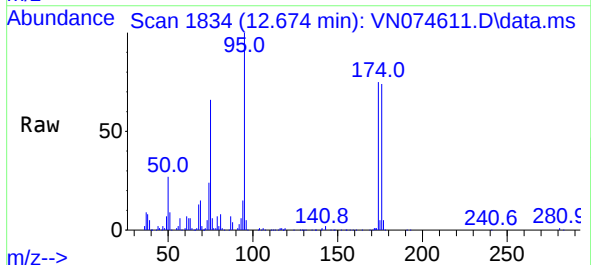
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-09-14

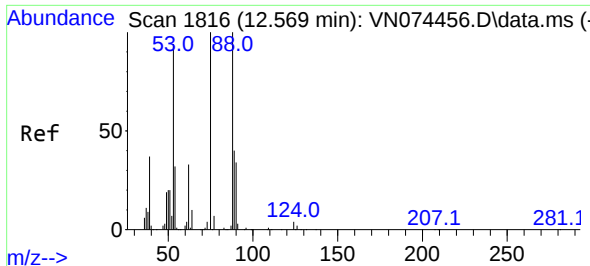
Tgt Ion:152 Resp: 315061
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 158.5 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 21.188 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion: 75 Resp: 205479
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#

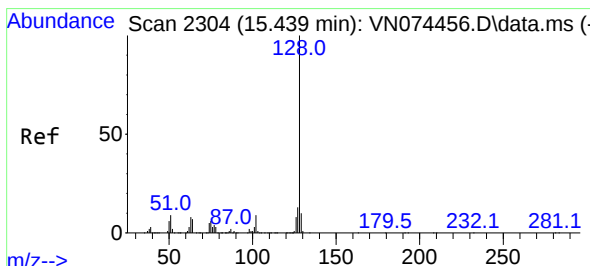
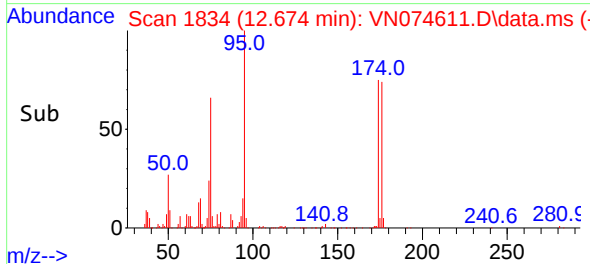
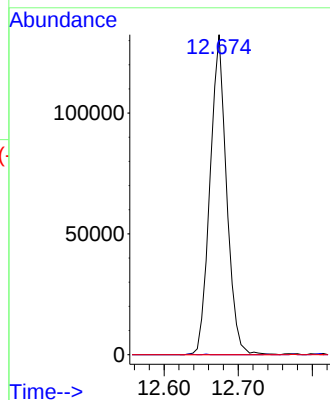
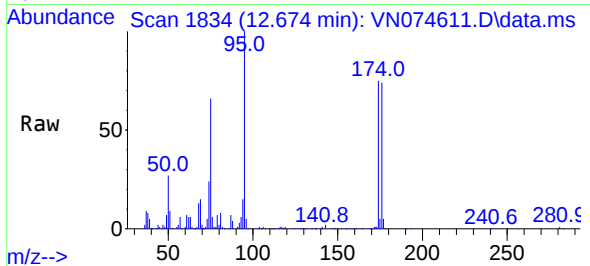




#81
trans-1,4-Dichloro-2-butene
Concen: 45.731 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

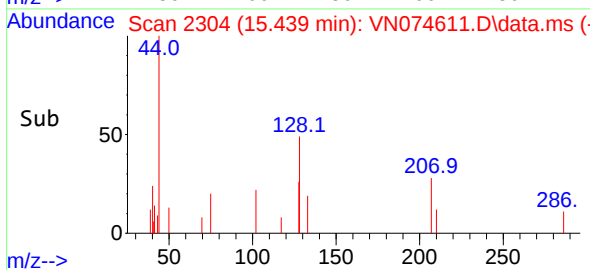
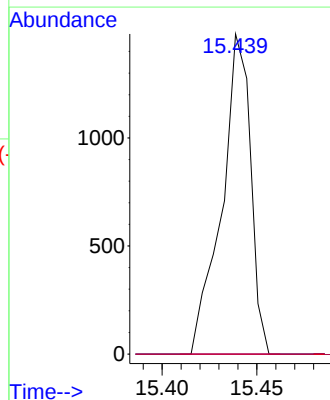
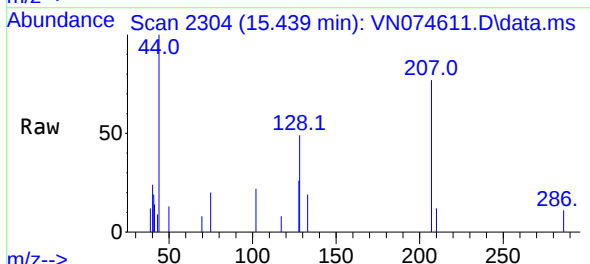
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MSVOA_N
ClientSampleId :
TB-2022-09-14

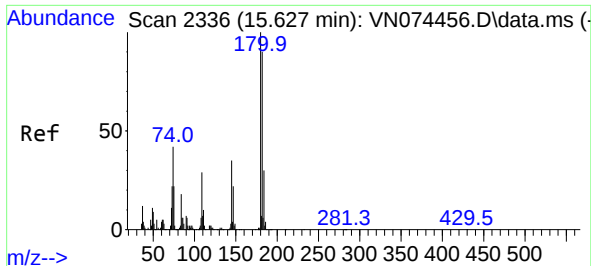
Tgt Ion: 75 Resp: 205479
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.645 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074611.D
Acq: 21 Sep 2022 14:13

Tgt Ion:128 Resp: 1569
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.357 ug/l

RT: 15.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN074611.D

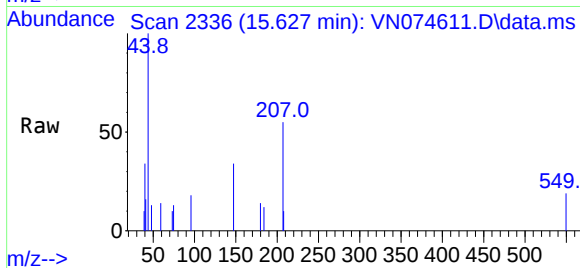
Acq: 21 Sep 2022 14:13

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 137

Ion Ratio Lower Upper

180 100

182 137.2 47.8 143.3

145 0.0 15.5 46.5#

