

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074613.D
 Acq On : 21 Sep 2022 15:01
 Operator : JC\MD
 Sample : PB147776ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147776ZHE#02

Quant Time: Sep 22 06:58:07 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)

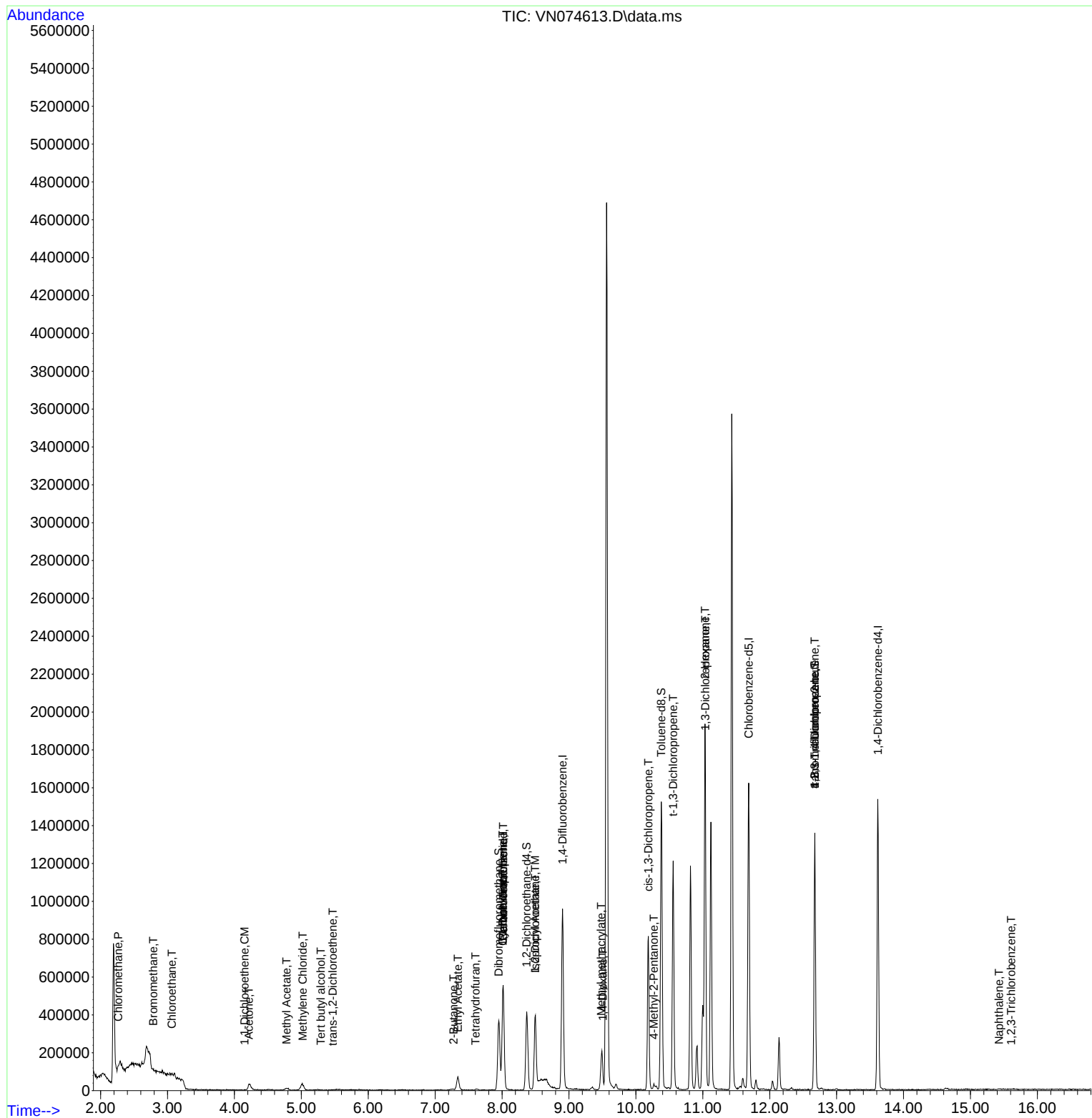
Internal Standards						
1) Pentafluorobenzene	8.016	168	379726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	754559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	819125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	348067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	310756	48.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.460%		
35) Dibromofluoromethane	7.951	113	258087	51.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.980%		
50) Toluene-d8	10.380	98	958851	49.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.920%		
62) 4-Bromofluorobenzene	12.674	95	386984	58.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.580%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	3326	0.734	ug/l #	80
5) Bromomethane	2.787	94	1770	0.451	ug/l #	9
6) Chloroethane	3.063	64	9591	1.888	ug/l #	42
11) Tert butyl alcohol	5.293	59	971	0.463	ug/l	98
12) 1,1-Dichloroethene	4.151	96	196	0.723	ug/l #	1
16) Acetone	4.216	43	56465	13.696	ug/l	95
18) Methyl Acetate	4.781	43	20842	1.628	ug/l #	79
20) Methylene Chloride	5.022	84	21313	3.415	ug/l	89
21) trans-1,2-Dichloroethene	5.469	96	54	0.439	ug/l #	1
25) 2-Butanone	7.275	43	7721	1.128	ug/l #	81
28) Bromochloromethane	7.581	49	87	Below Cal	#	8
29) Tetrahydrofuran	7.604	42	2795	0.621	ug/l #	61
31) Cyclohexane	8.010	56	13393	1.171	ug/l #	25
36) 1,1-Dichloropropene	8.010	75	38098	4.294	ug/l #	47
37) Ethyl Acetate	7.340	43	103798	7.576	ug/l #	95
38) Carbon Tetrachloride	8.016	117	42204	5.152	ug/l #	17
42) 1,2-Dichloroethane	8.492	62	2082	0.221	ug/l #	74
43) Isopropyl Acetate	8.492	43	490571	22.858	ug/l #	81
48) Methyl methacrylate	9.481	41	14154	1.487	ug/l #	40
49) 1,4-Dioxane	9.504	88	128	0.700	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	19144	1.366	ug/l	92
53) t-1,3-Dichloropropene	10.557	75	2716	0.252	ug/l #	75
54) cis-1,3-Dichloropropene	10.186	75	131383	11.378	ug/l #	73
57) 1,3-Dichloropropane	11.039	76	18870	1.579	ug/l #	43
59) 2-Hexanone	11.033	43	283118	26.462	ug/l #	46
76) 1,2,3-Trichloropropane	12.674	75	231981	21.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	231981	46.733	ug/l #	11
95) Naphthalene	15.427	128	1019	1.622	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.610	180	130	1.354	ug/l #	12

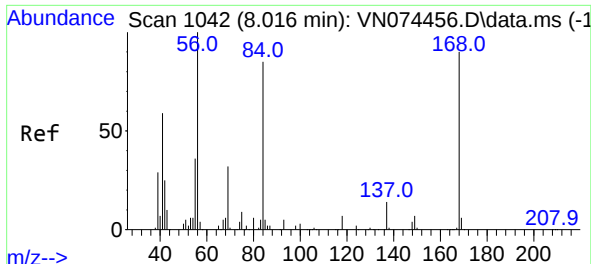
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

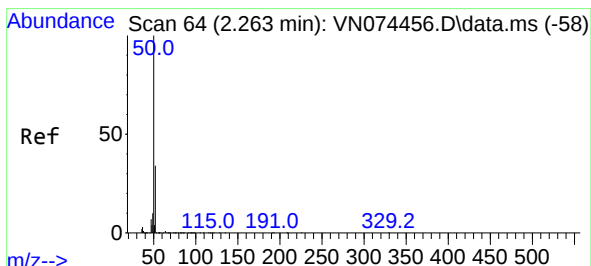
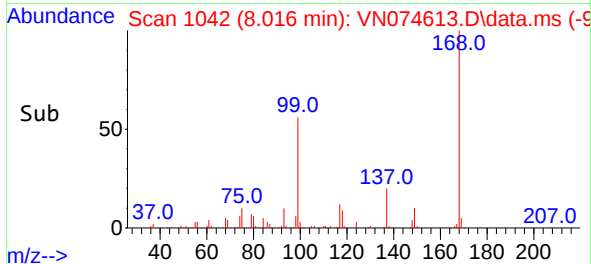
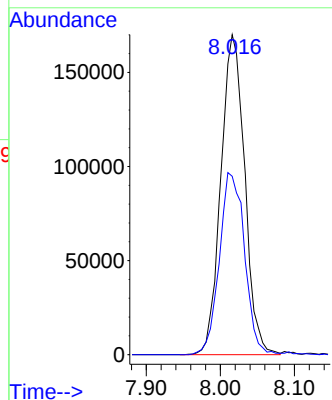
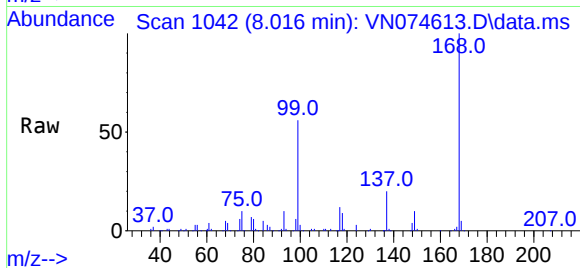




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

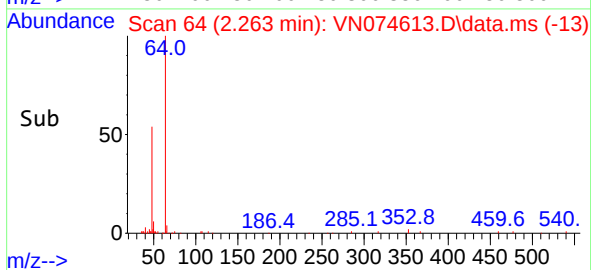
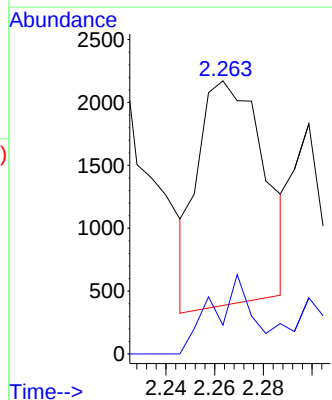
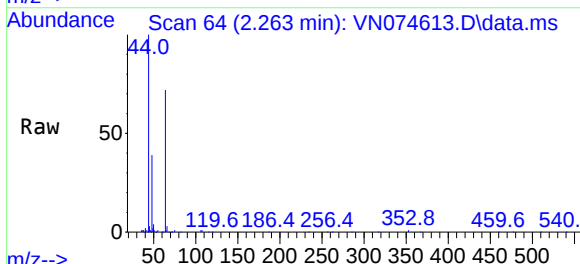
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

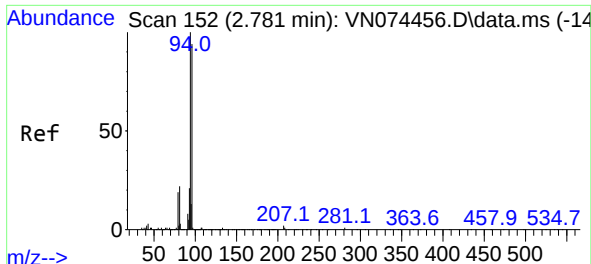
Tgt Ion:168 Resp: 379726
Ion Ratio Lower Upper
168 100
99 55.8 42.3 63.5



#3
Chloromethane
Concen: 0.734 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 50 Resp: 3326
Ion Ratio Lower Upper
50 100
52 20.8 25.7 38.5#

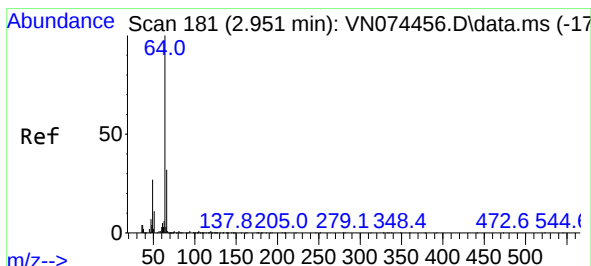
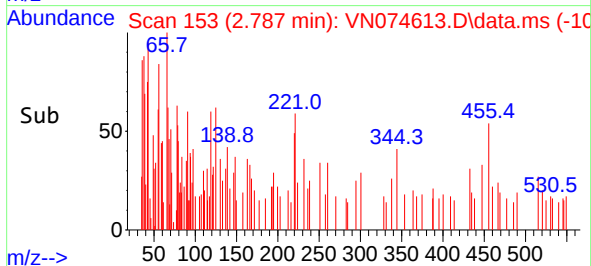
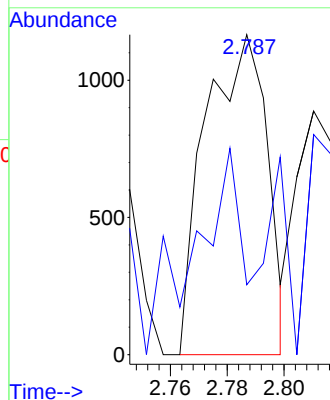
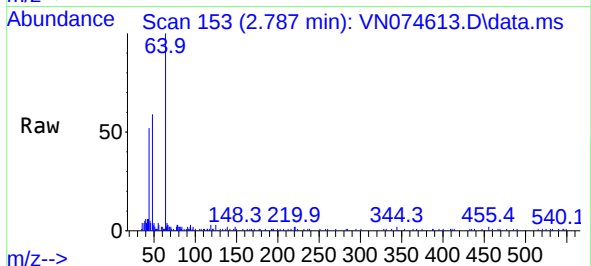




#5
Bromomethane
Concen: 0.451 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

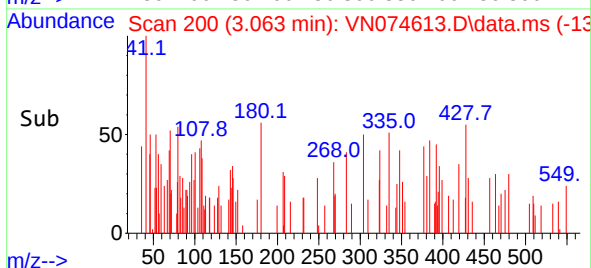
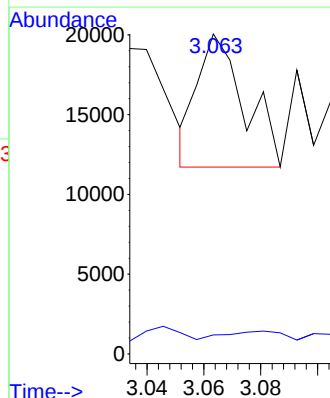
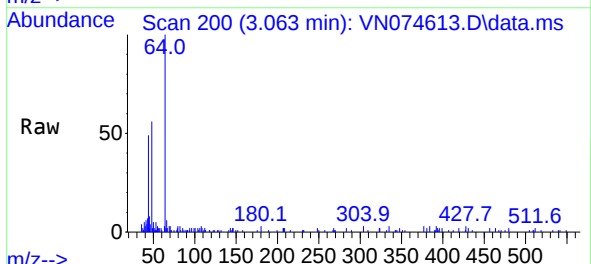
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

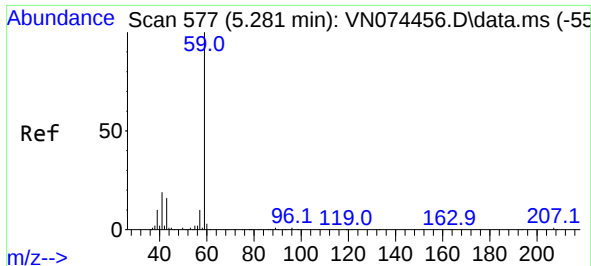
Tgt Ion: 94 Resp: 1770
Ion Ratio Lower Upper
94 100
96 7.0 76.0 114.0#



#6
Chloroethane
Concen: 1.888 ug/l
RT: 3.063 min Scan# 200
Delta R.T. 0.112 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 64 Resp: 9591
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

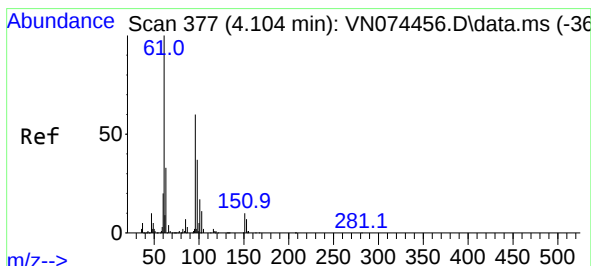
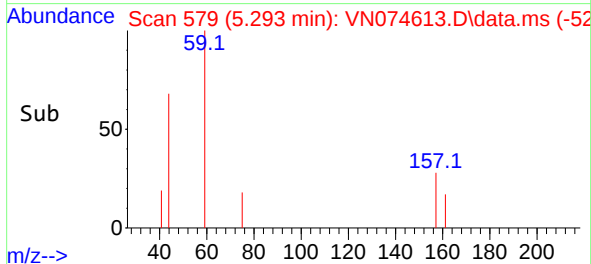
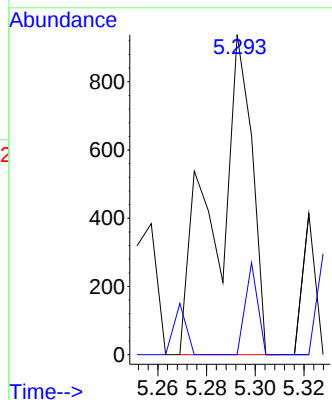
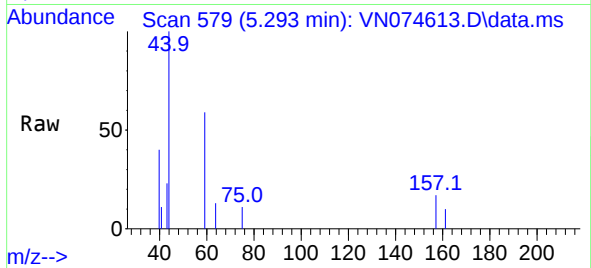




#11
Tert butyl alcohol
Concen: 0.463 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

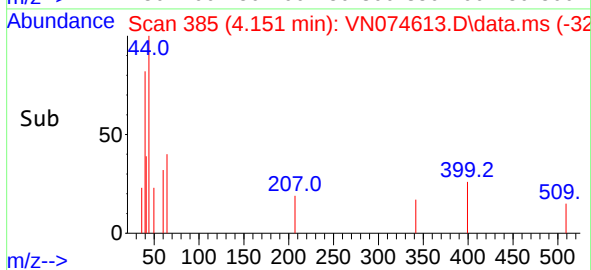
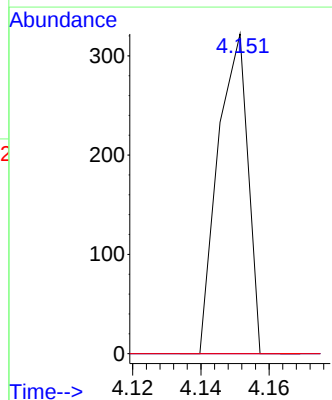
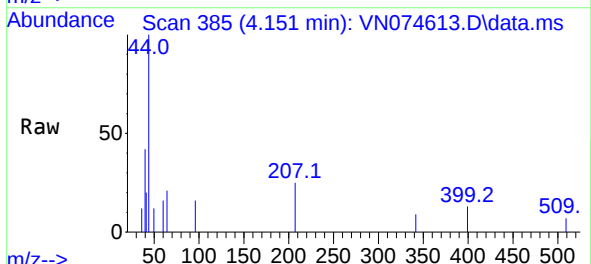
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

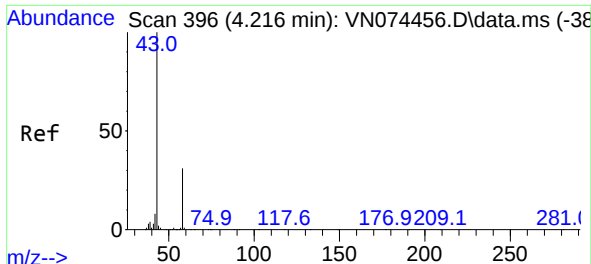
Tgt Ion: 59 Resp: 971
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 0.723 ug/l
RT: 4.151 min Scan# 385
Delta R.T. 0.047 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 96 Resp: 196
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

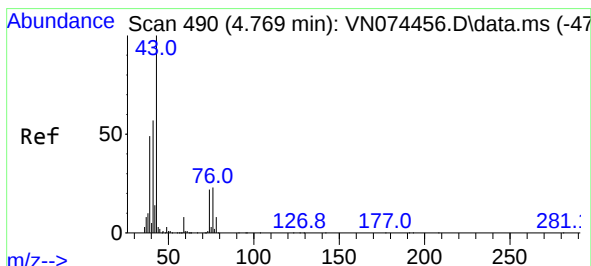
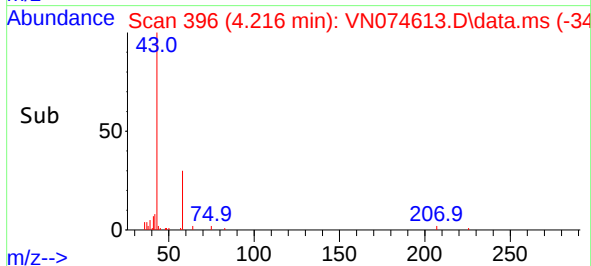
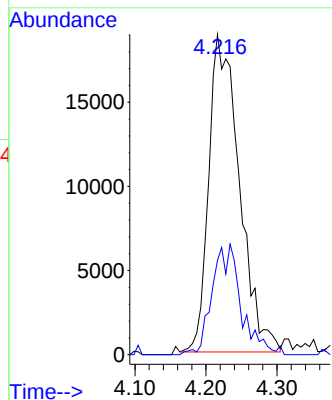
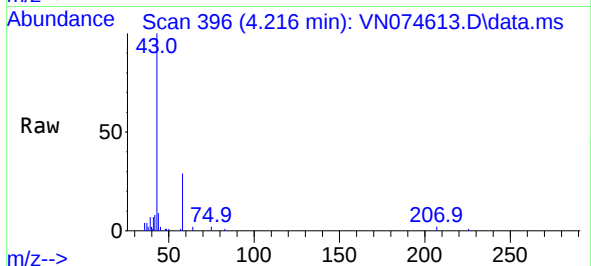




#16
Acetone
Concen: 13.696 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

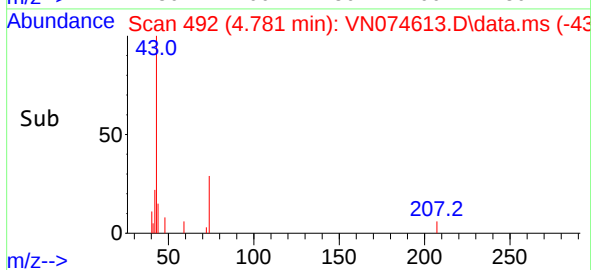
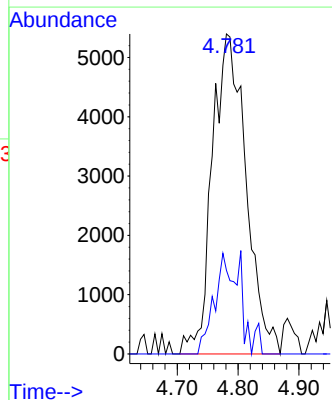
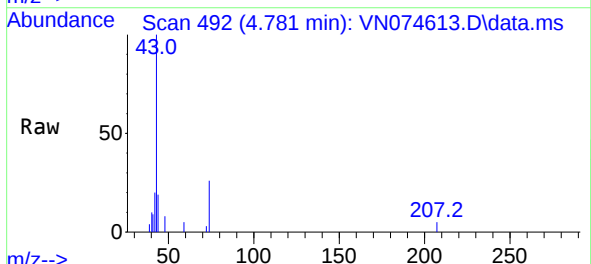
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

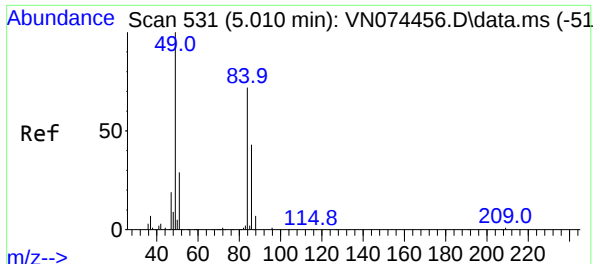
Tgt Ion: 43 Resp: 56465
Ion Ratio Lower Upper
43 100
58 29.7 26.0 39.0



#18
Methyl Acetate
Concen: 1.628 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 43 Resp: 20842
Ion Ratio Lower Upper
43 100
74 16.3 21.6 32.4#



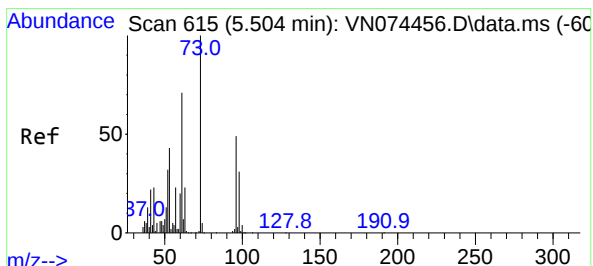
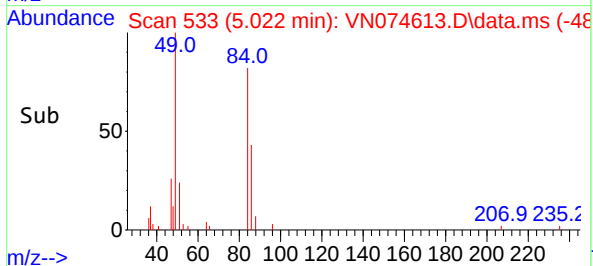
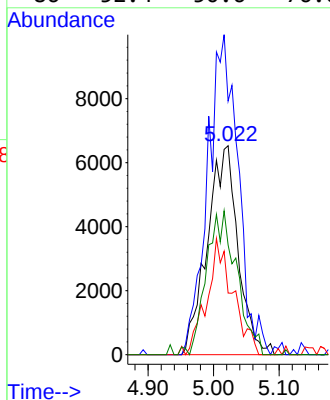
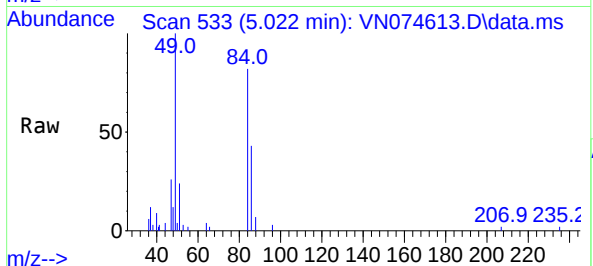


#20
Methylene Chloride
Concen: 3.415 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

Tgt Ion: 84 Resp: 21313

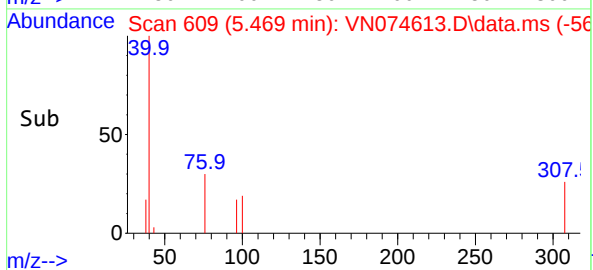
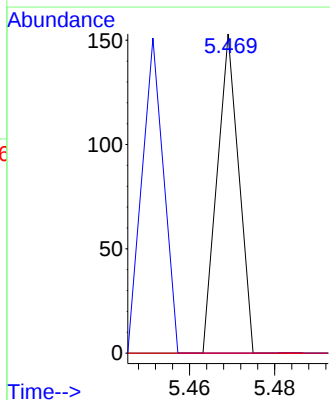
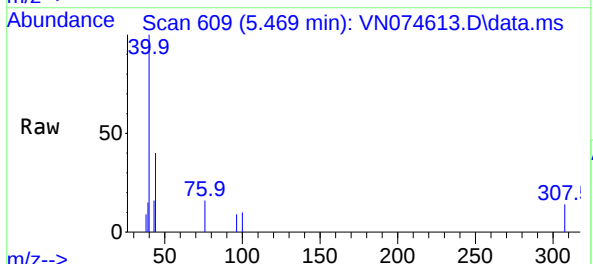
Ion	Ratio	Lower	Upper
84	100		
49	121.3	88.3	132.5
51	29.5	28.2	42.2
86	52.4	50.6	76.0

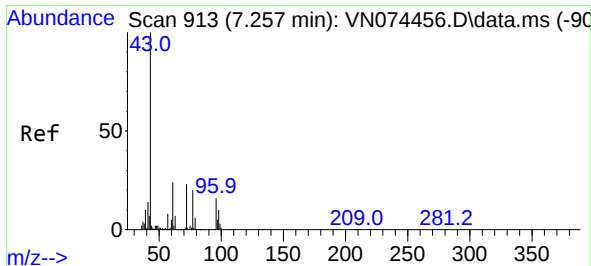


#21
trans-1,2-Dichloroethene
Concen: 0.439 ug/l
RT: 5.469 min Scan# 609
Delta R.T. -0.035 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 96 Resp: 54

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.8	158.8#
98	0.0	50.3	75.5#





#25

2-Butanone

Concen: 1.128 ug/l

RT: 7.275 min Scan# 913

Delta R.T. 0.018 min

Lab File: VN074613.D

Acq: 21 Sep 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

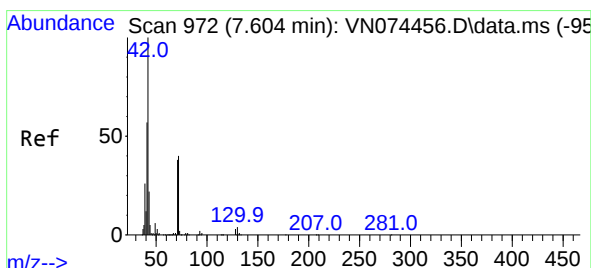
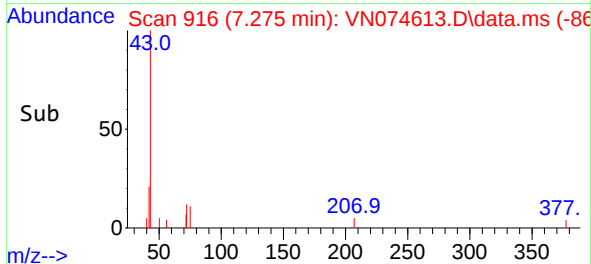
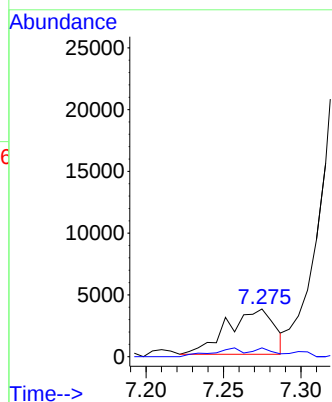
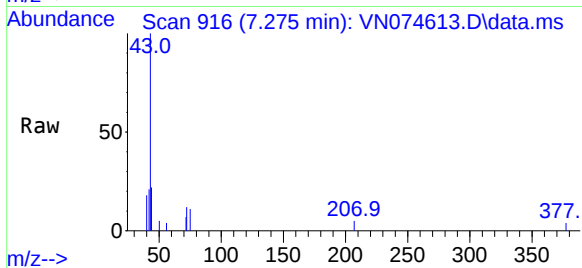
PB147776ZHE#02

Tgt Ion: 43 Resp: 7721

Ion Ratio Lower Upper

43 100

72 19.3 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.621 ug/l

RT: 7.604 min Scan# 972

Delta R.T. 0.000 min

Lab File: VN074613.D

Acq: 21 Sep 2022 15:01

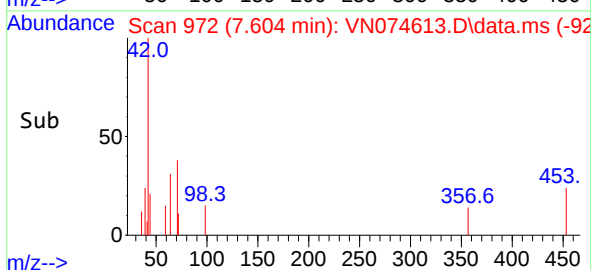
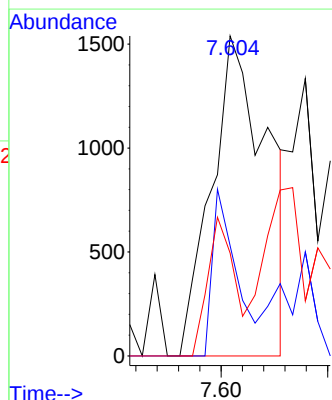
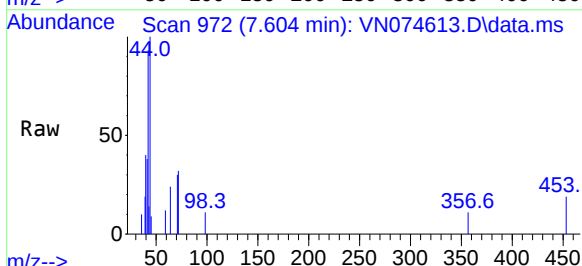
Tgt Ion: 42 Resp: 2795

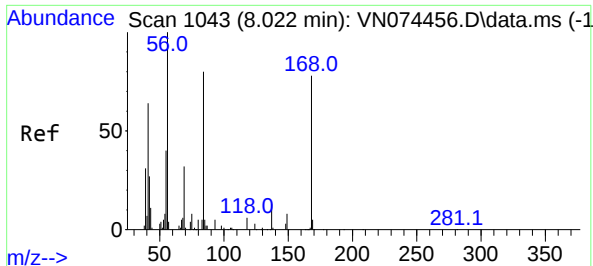
Ion Ratio Lower Upper

42 100

72 22.2 39.7 59.5#

71 20.8 36.6 55.0#

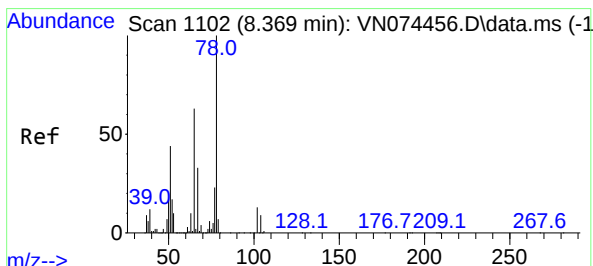
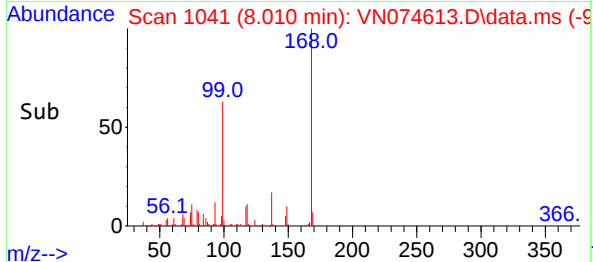
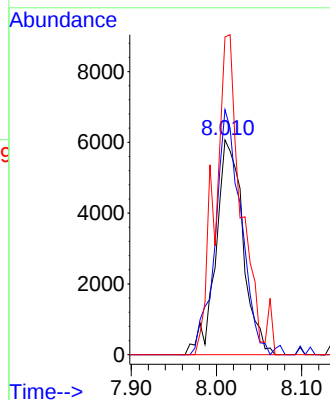
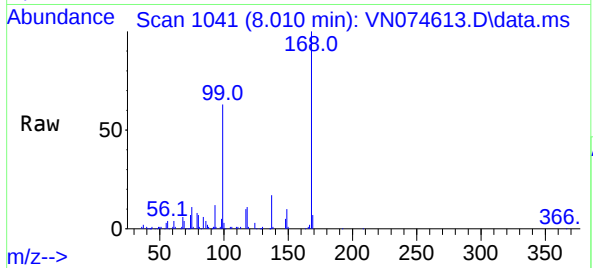




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

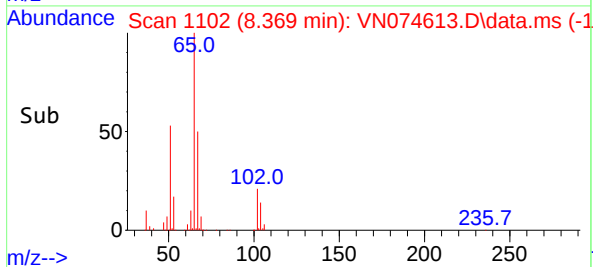
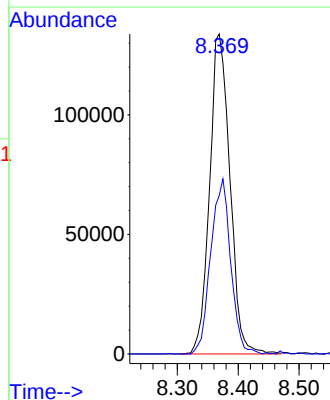
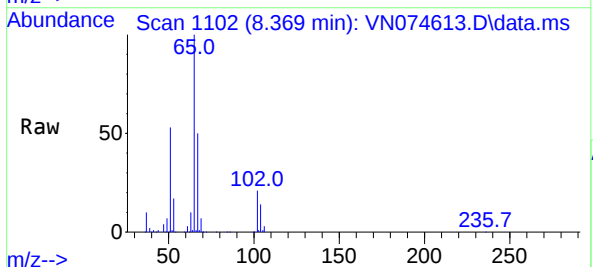
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

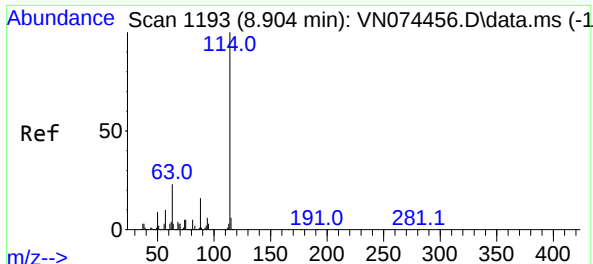
Tgt Ion: 56 Resp: 13393
Ion Ratio Lower Upper
56 100
69 114.0 27.8 41.8#
84 147.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.232 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 65 Resp: 310756
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8

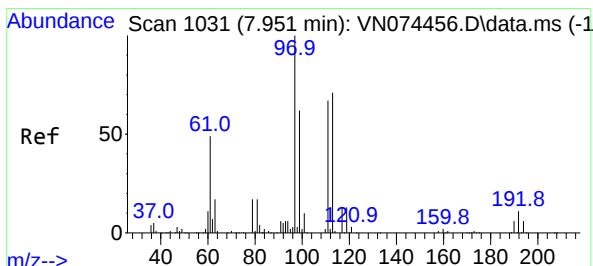
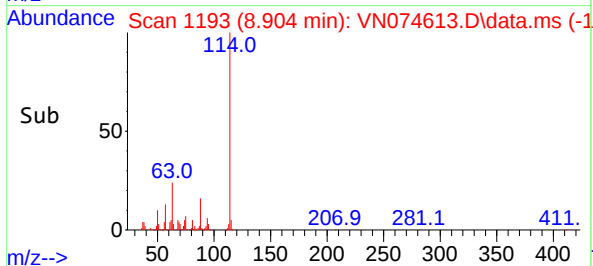
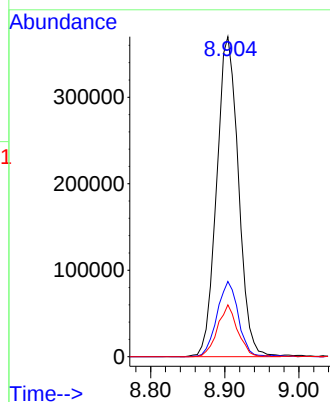
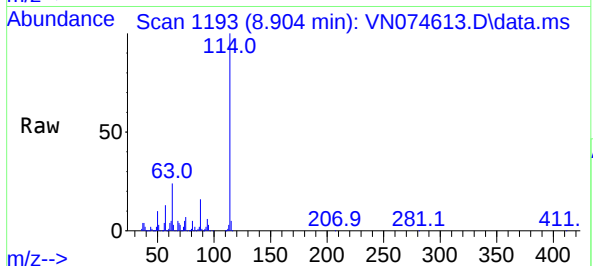




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

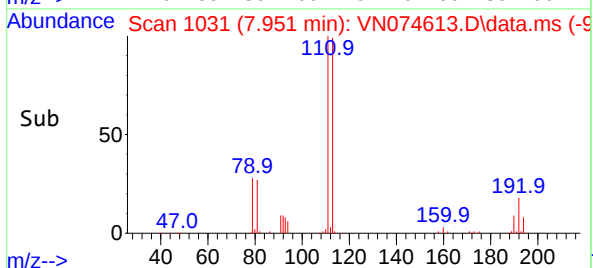
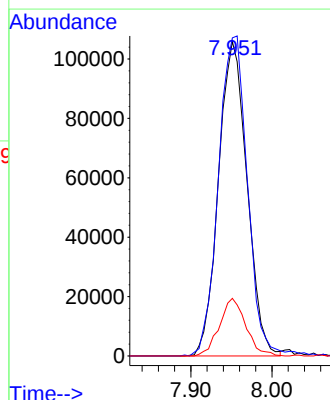
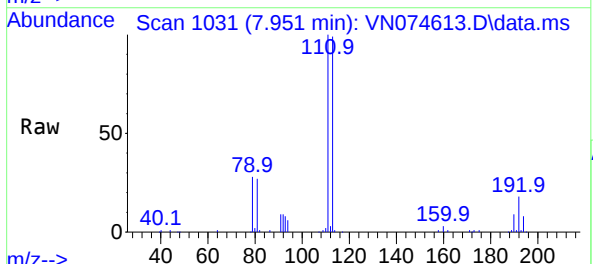
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

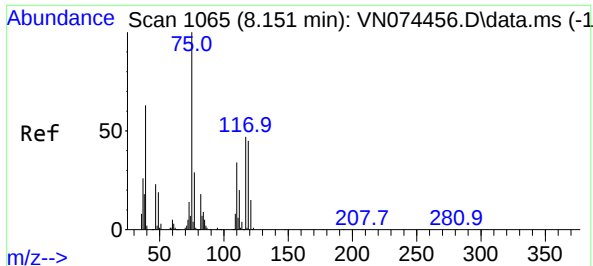
Tgt Ion:	114	Resp:	754559
Ion Ratio	Lower	Upper	
114	100		
63	23.5	0.0	40.0
88	16.2	0.0	32.6



#35
Dibromofluoromethane
Concen: 51.490 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion:	113	Resp:	258087
Ion Ratio	Lower	Upper	
113	100		
111	104.1	81.4	122.0
192	17.0	17.0	25.6





#36

1,1-Dichloropropene

Concen: 4.294 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074613.D

Acq: 21 Sep 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

PB147776ZHE#02

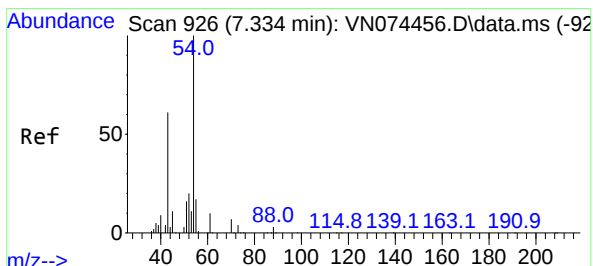
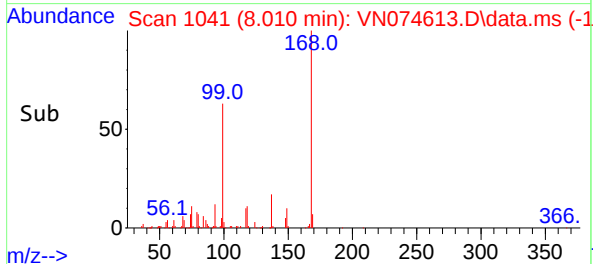
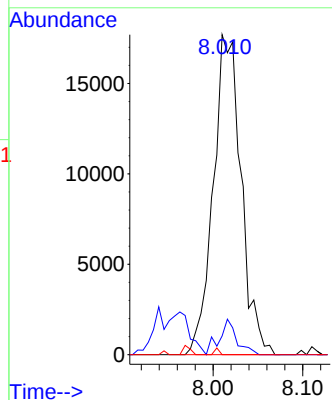
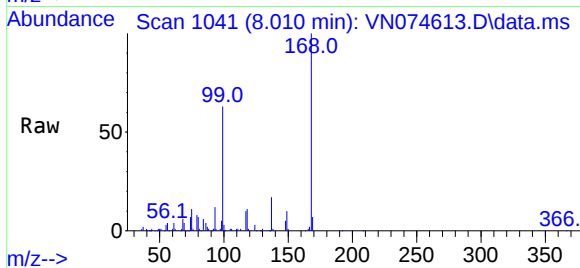
Tgt Ion: 75 Resp: 38098

Ion Ratio Lower Upper

75 100

110 6.9 18.3 54.8#

77 0.3 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.576 ug/l

RT: 7.340 min Scan# 927

Delta R.T. 0.006 min

Lab File: VN074613.D

Acq: 21 Sep 2022 15:01

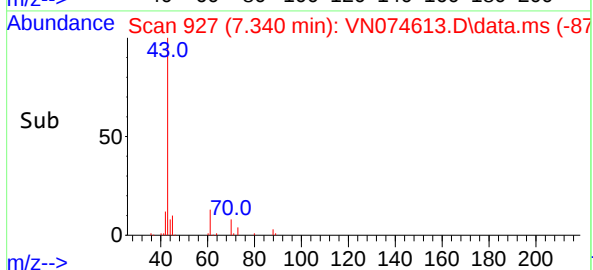
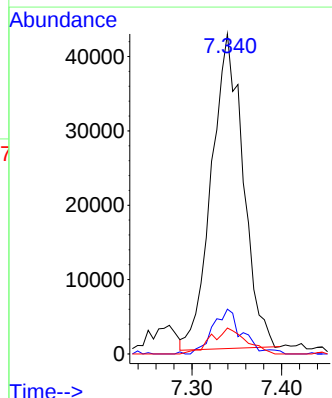
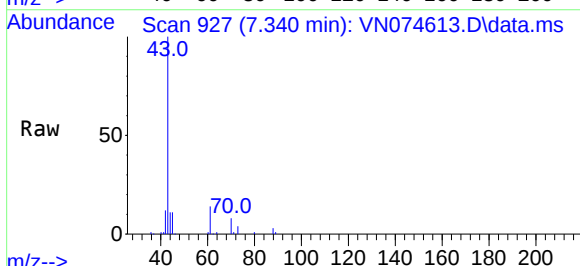
Tgt Ion: 43 Resp: 103798

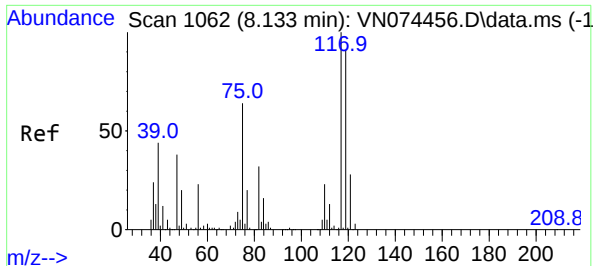
Ion Ratio Lower Upper

43 100

61 12.9 11.8 17.6

70 9.1 9.3 13.9#

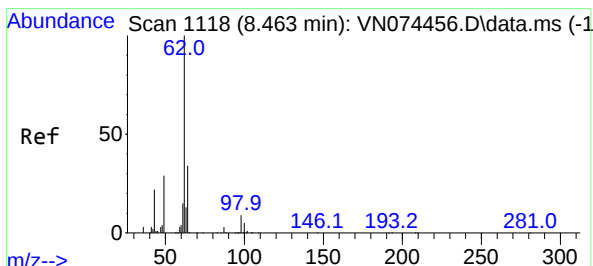
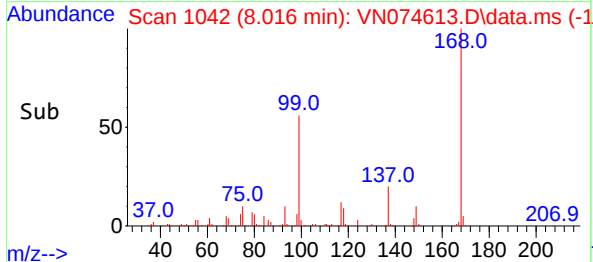
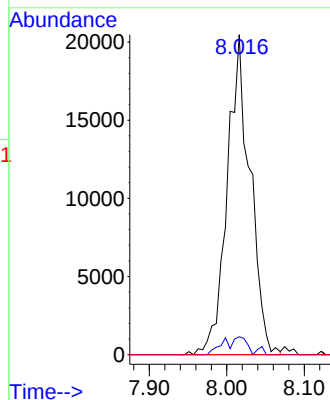
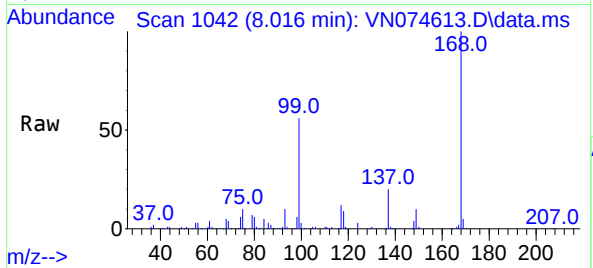




#38
Carbon Tetrachloride
Concen: 5.152 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.117 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

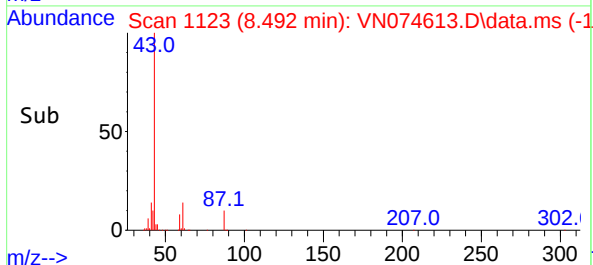
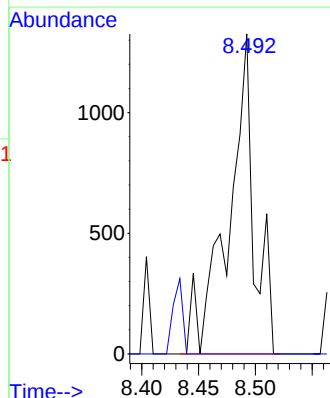
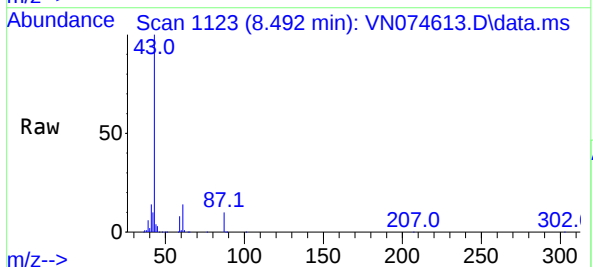
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

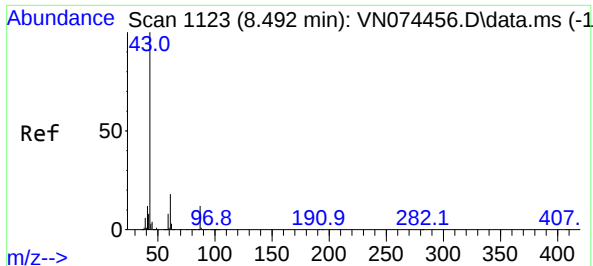
Tgt Ion:117 Resp: 42204
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.221 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 62 Resp: 2082
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

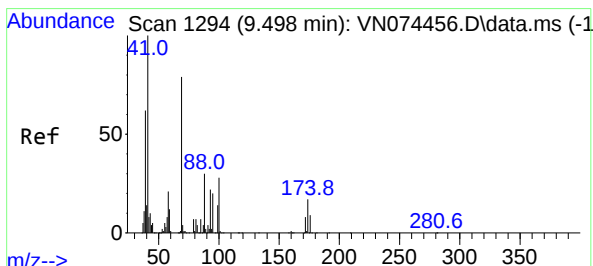
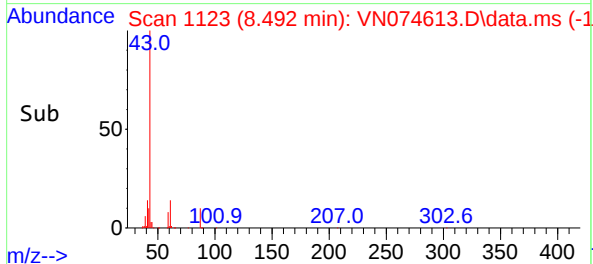
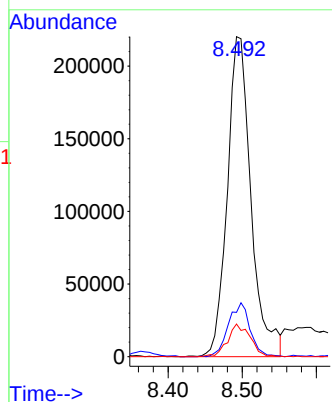
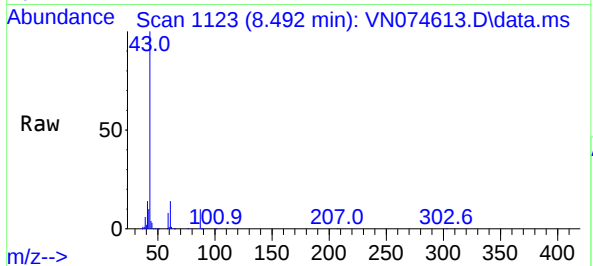




#43
Isopropyl Acetate
Concen: 22.858 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

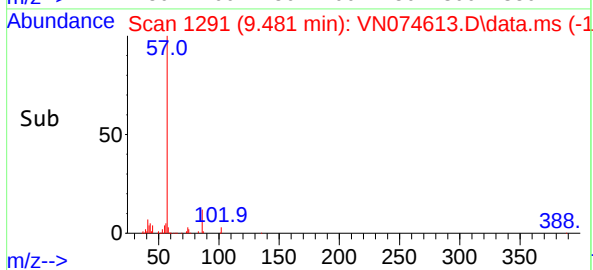
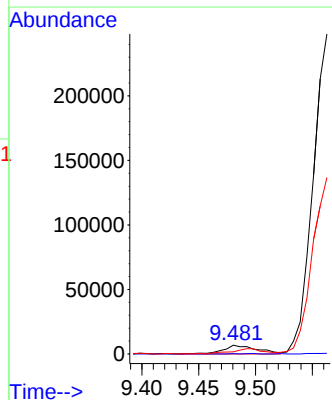
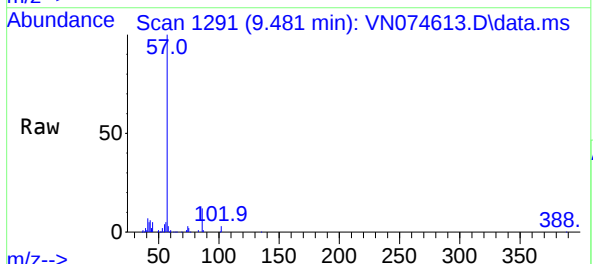
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

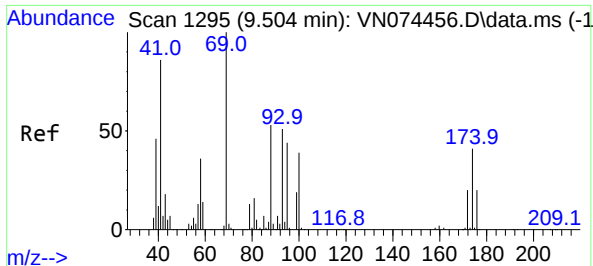
Tgt Ion: 43 Resp: 490571
Ion Ratio Lower Upper
43 100
61 15.5 21.9 32.9#
87 9.7 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.487 ug/l
RT: 9.481 min Scan# 1291
Delta R.T. -0.017 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 41 Resp: 14154
Ion Ratio Lower Upper
41 100
69 2.1 74.7 112.1#
39 55.2 45.6 68.4

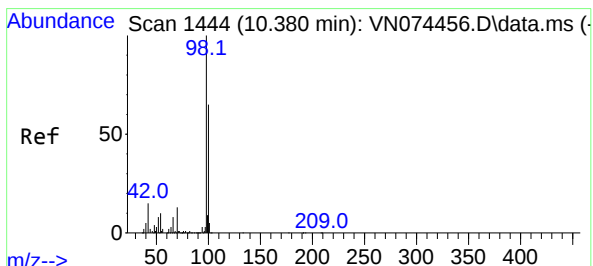
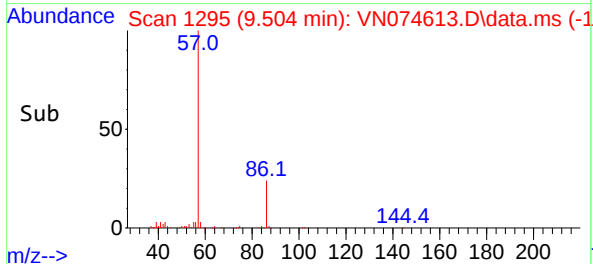
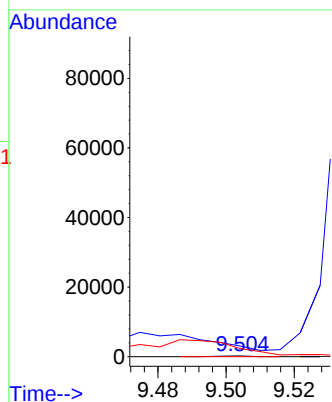
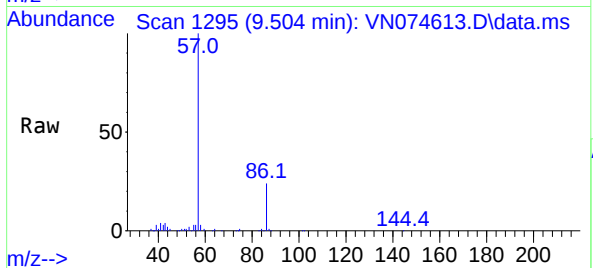




#49
1,4-Dioxane
Concen: 0.700 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

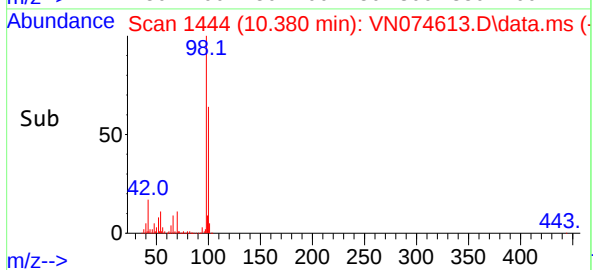
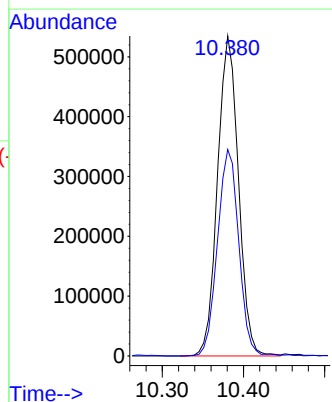
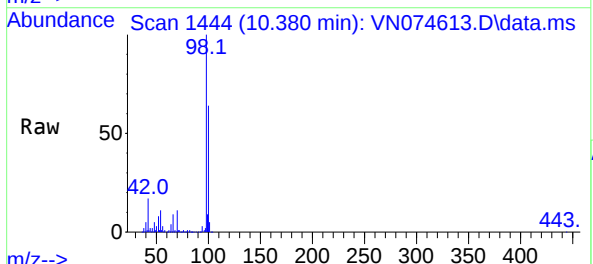
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

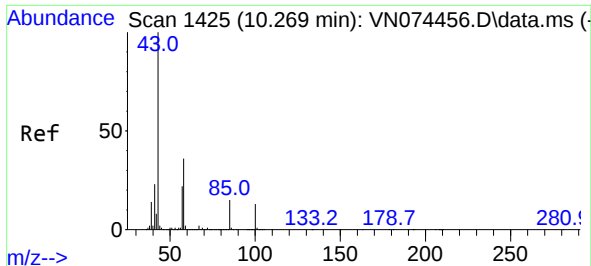
Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 8359.4 54.2 81.4#



#50
Toluene-d8
Concen: 49.464 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 98 Resp: 958851
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8

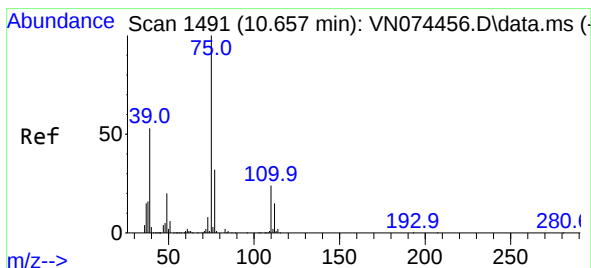
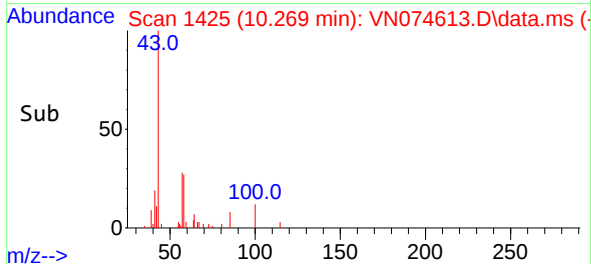
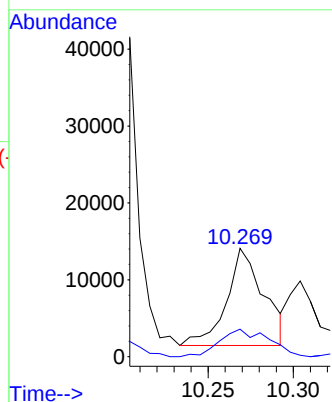
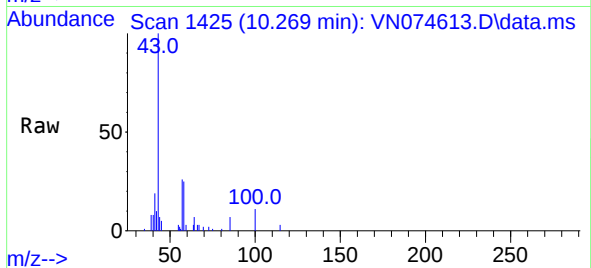




#51
4-Methyl-2-Pentanone
Concen: 1.366 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

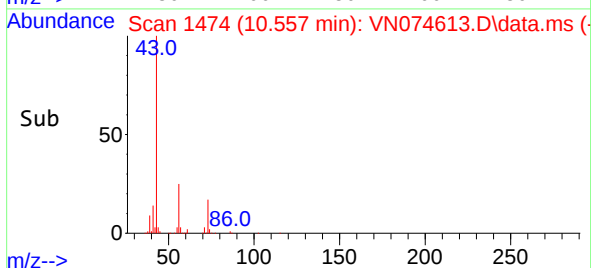
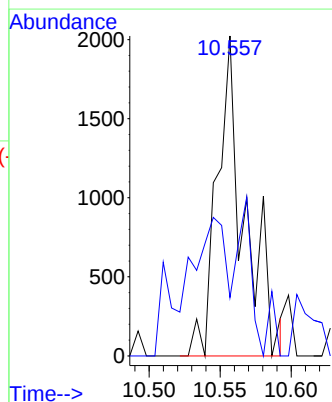
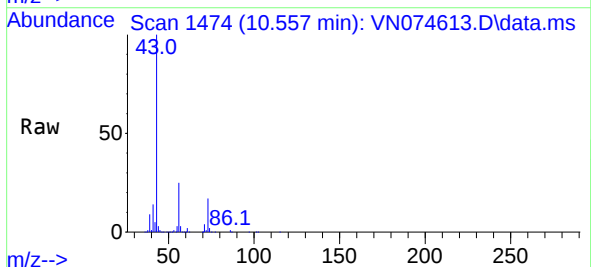
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

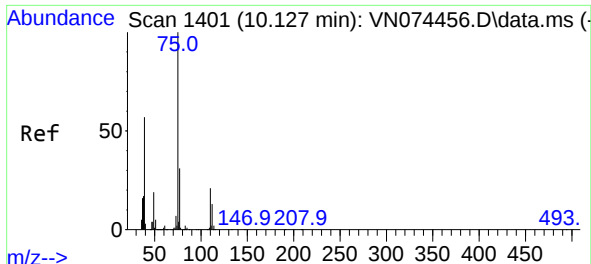
Tgt Ion: 43 Resp: 19144
Ion Ratio Lower Upper
43 100
58 37.6 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.100 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 75 Resp: 2716
Ion Ratio Lower Upper
75 100
77 18.2 25.6 38.4#

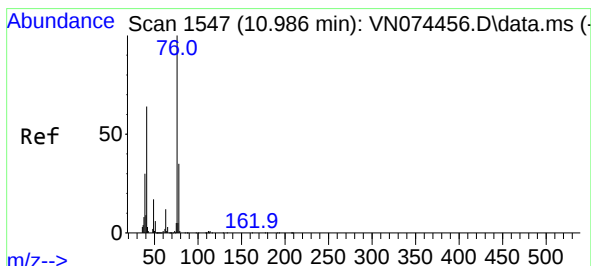
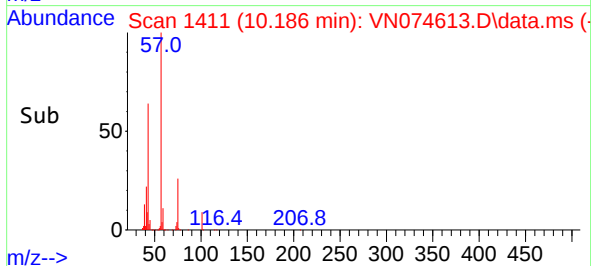
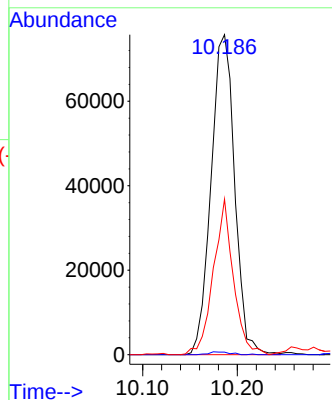
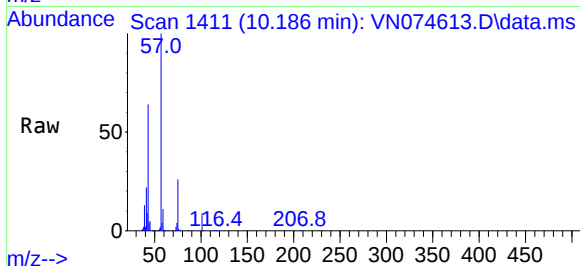




#54
cis-1,3-Dichloropropene
Concen: 11.378 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

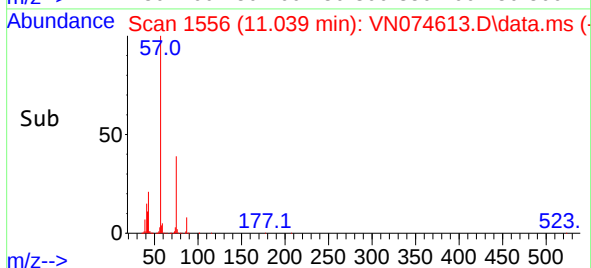
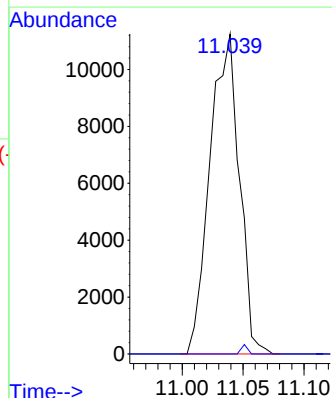
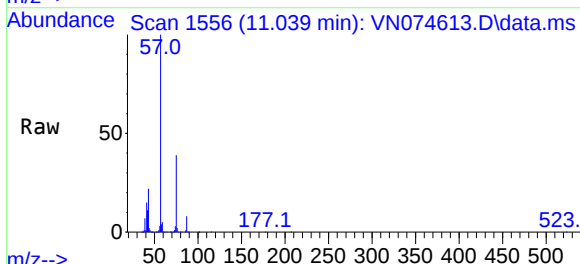
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

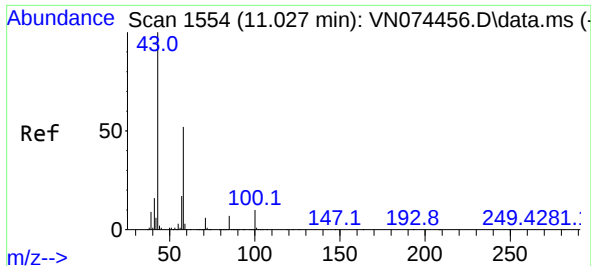
Tgt Ion: 75 Resp: 131383
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 48.6 35.7 53.5



#57
1,3-Dichloropropane
Concen: 1.579 ug/l
RT: 11.039 min Scan# 1556
Delta R.T. 0.053 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 76 Resp: 18870
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

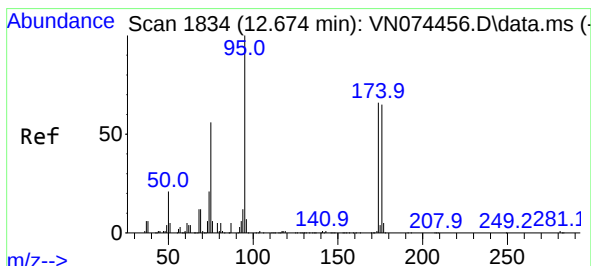
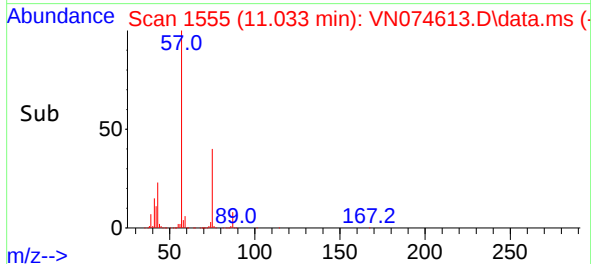
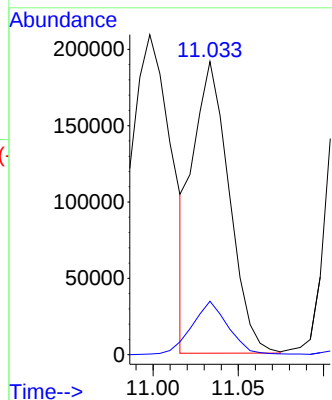
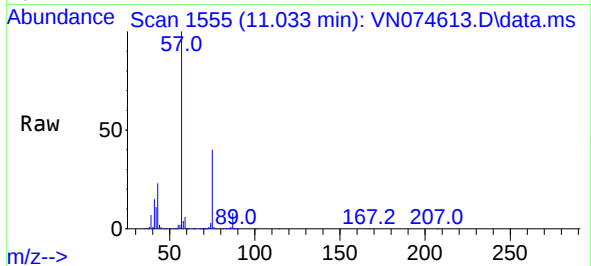




#59
2-Hexanone
Concen: 26.462 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

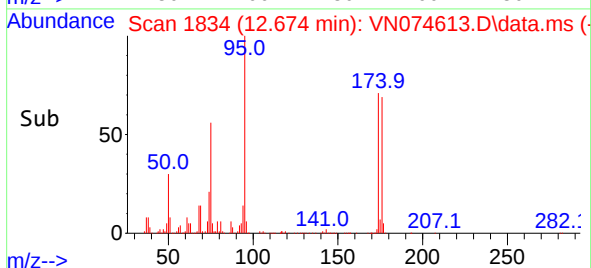
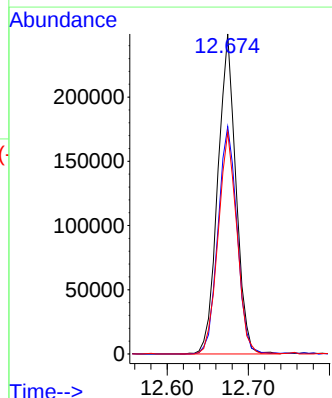
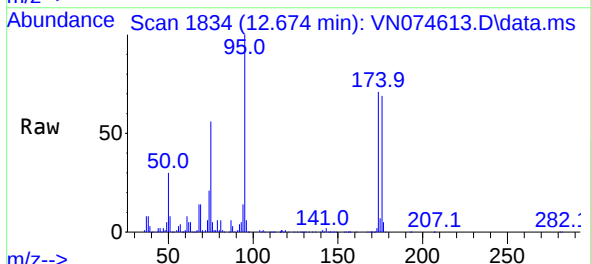
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

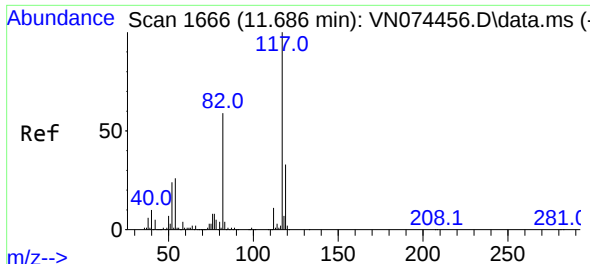
Tgt Ion: 43 Resp: 283118
Ion Ratio Lower Upper
43 100
58 18.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.288 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 95 Resp: 386984
Ion Ratio Lower Upper
95 100
174 74.4 0.0 167.6
176 71.3 0.0 163.4

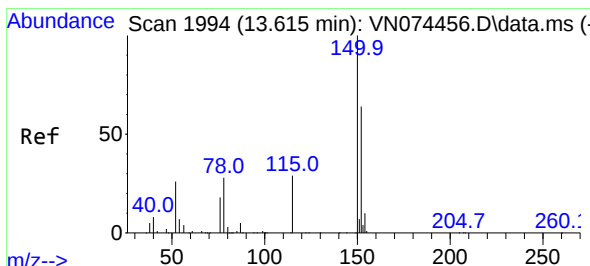
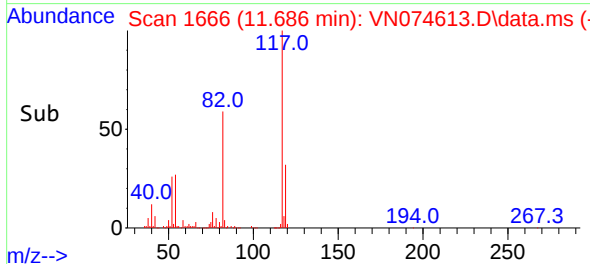
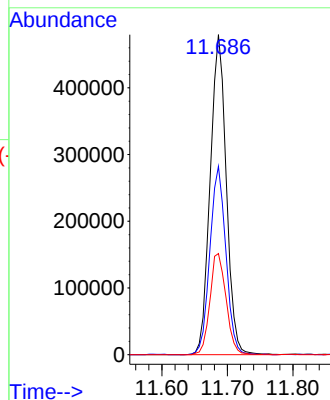
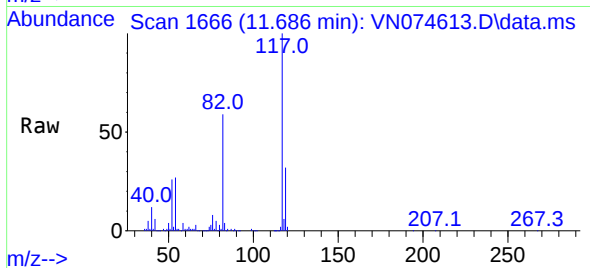




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

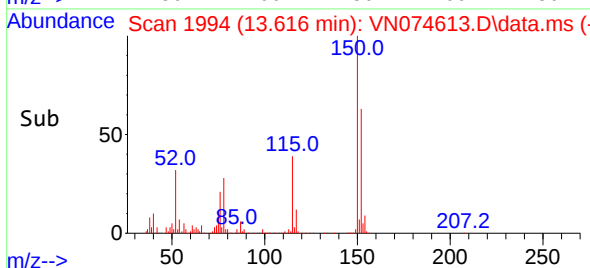
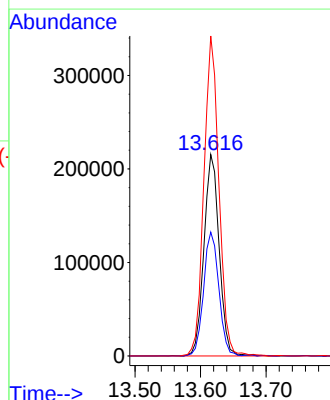
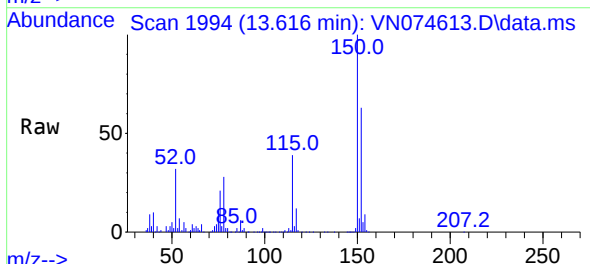
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

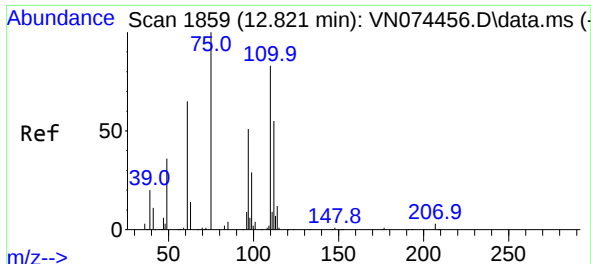
Tgt Ion:117 Resp: 819125
Ion Ratio Lower Upper
117 100
82 58.8 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion:152 Resp: 348067
Ion Ratio Lower Upper
152 100
115 61.5 28.9 86.7
150 156.8 0.0 356.2

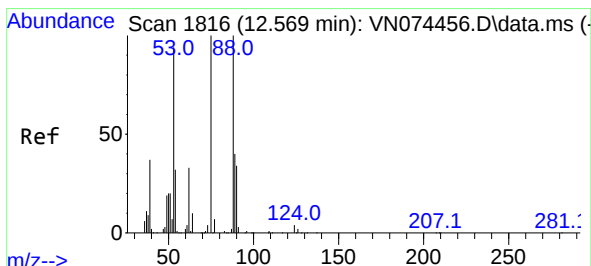
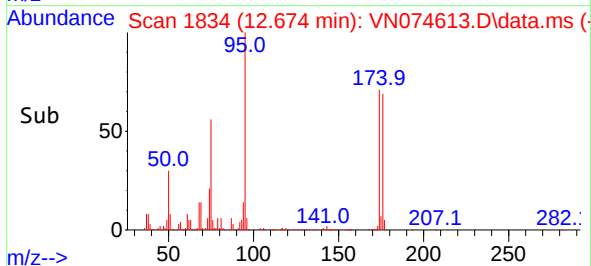
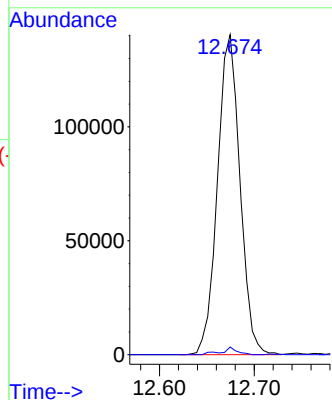
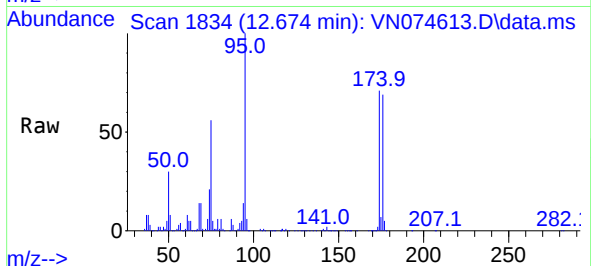




#76
1,2,3-Trichloropropane
Concen: 21.653 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

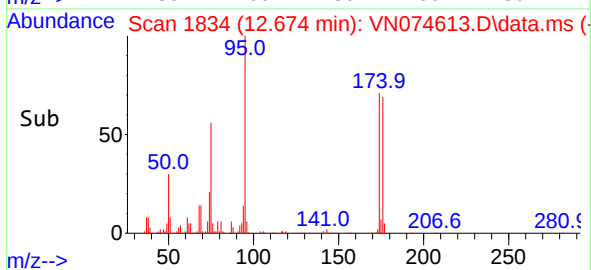
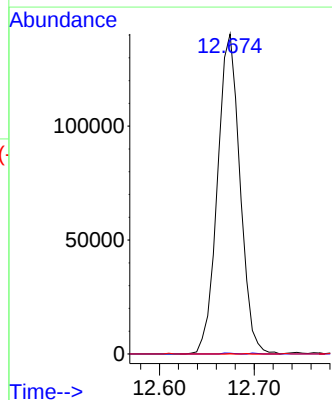
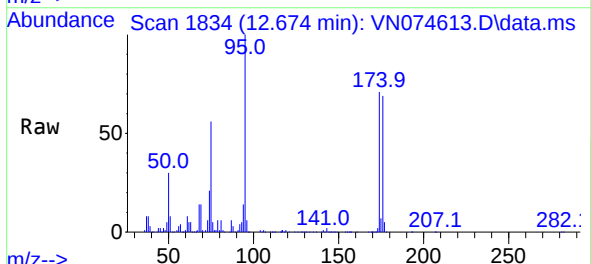
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

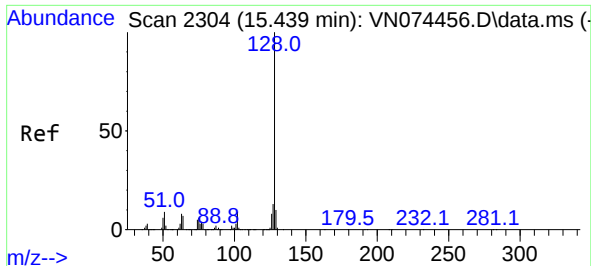
Tgt Ion: 75 Resp: 231981
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.733 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion: 75 Resp: 231981
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

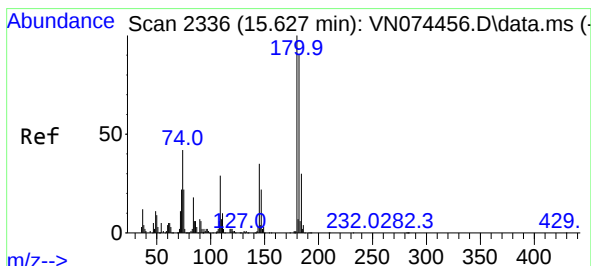
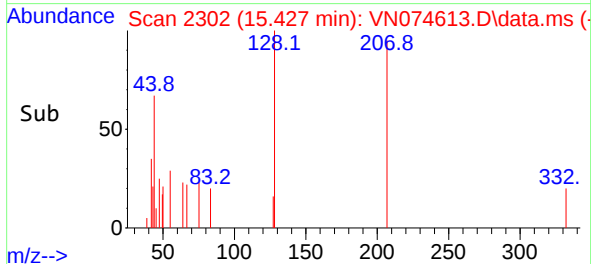
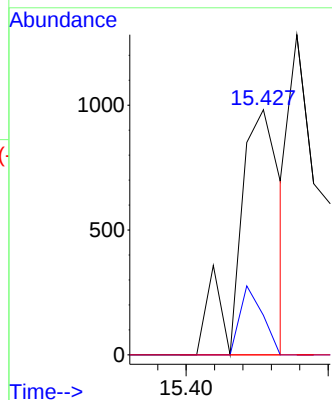
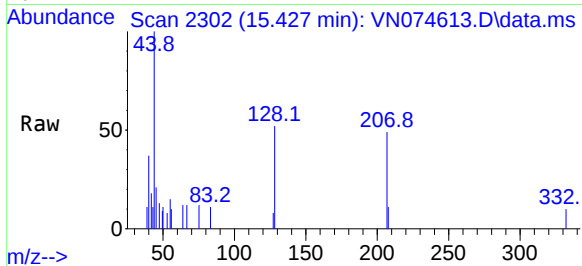




#95
Naphthalene
Concen: 1.622 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#02

Tgt Ion:128 Resp: 1019
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.354 ug/l
RT: 15.610 min Scan# 2333
Delta R.T. -0.017 min
Lab File: VN074613.D
Acq: 21 Sep 2022 15:01

Tgt Ion:180 Resp: 130
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

