

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120122\
 Data File : VN075519.D
 Acq On : 01 Dec 2022 17:06
 Operator : JC\MD
 Sample : N5789-04ME
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 04:38:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

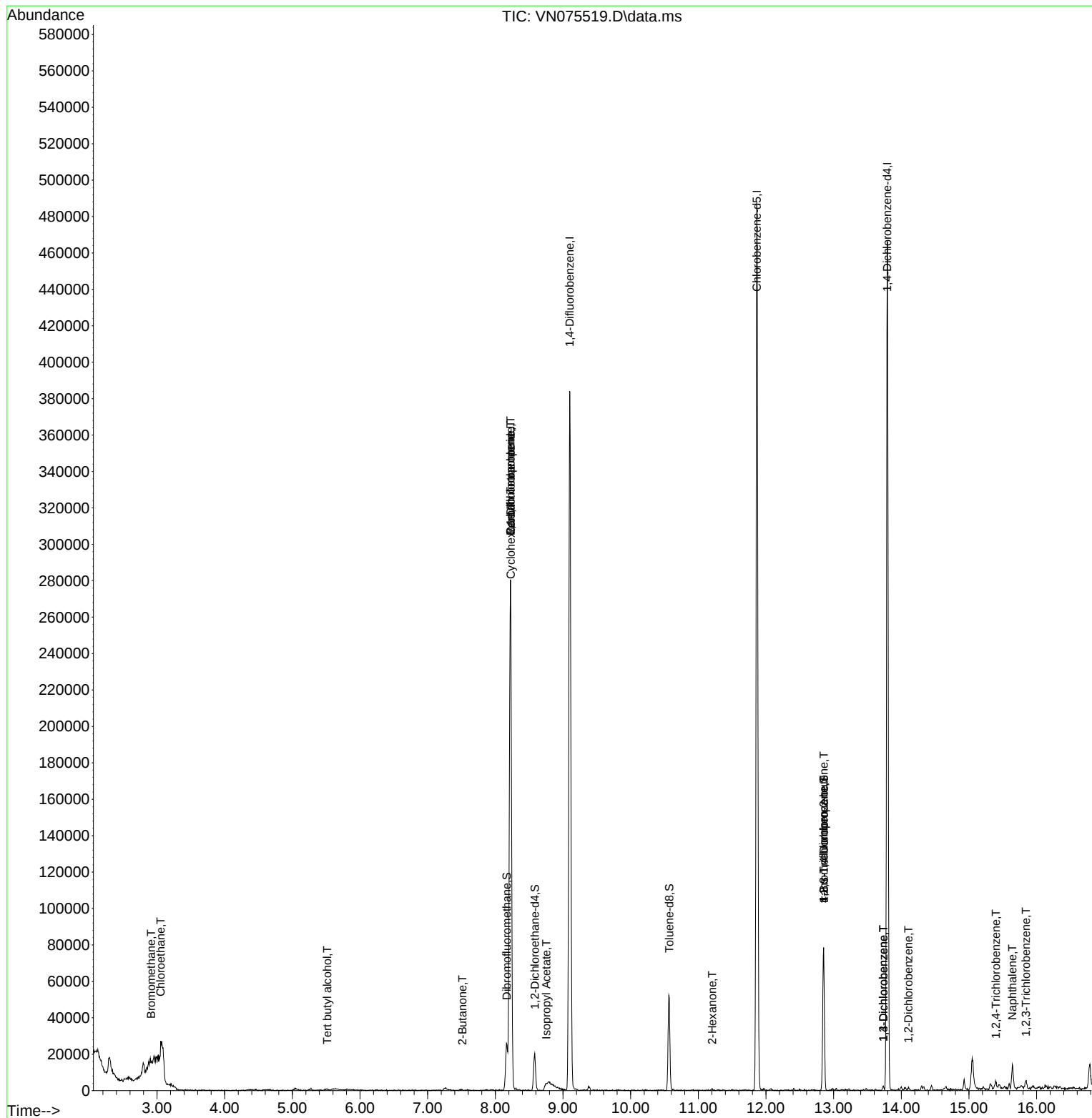
Internal Standards						
1) Pentafluorobenzene	8.224	168	223729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	361427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	15721	13.091	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	26.180%#
35) Dibromofluoromethane	8.171	113	18994	13.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	26.760%#
50) Toluene-d8	10.571	98	39568	12.374	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	24.740%#
62) 4-Bromofluorobenzene	12.853	95	27618	11.701	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	23.400%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.912	94	577	0.245	ug/l #	72
6) Chloroethane	3.053	64	13263	6.524	ug/l #	57
11) Tert butyl alcohol	5.518	59	166	0.329	ug/l #	72
18) Methyl Acetate	5.042	43	2706	Below Cal	#	74
20) Methylene Chloride	5.259	84	683	Below Cal	#	51
25) 2-Butanone	7.512	43	491	0.314	ug/l #	43
31) Cyclohexane	8.230	56	3723	0.976	ug/l #	27
36) 1,1-Dichloropropene	8.224	75	15444	4.988	ug/l #	49
38) Carbon Tetrachloride	8.224	117	20867	6.135	ug/l #	17
43) Isopropyl Acetate	8.753	43	3038	0.679	ug/l #	53
59) 2-Hexanone	11.206	43	833	0.389	ug/l	69
76) 1,2,3-Trichloropropane	12.853	75	13382	5.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	13382	15.434	ug/l #	10
87) 1,3-Dichlorobenzene	13.735	146	996	0.215	ug/l	85
88) 1,4-Dichlorobenzene	13.735	146	996	0.211	ug/l	85
91) 1,2-Dichlorobenzene	14.106	146	1000	0.221	ug/l	86
93) 1,2,4-Trichlorobenzene	15.400	180	1560	0.674	ug/l	89
95) Naphthalene	15.641	128	13225	1.815	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	2137	0.939	ug/l	91

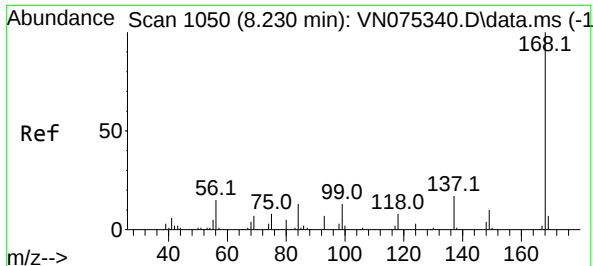
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 02 04:38:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

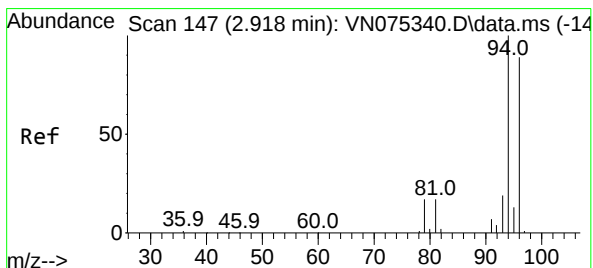
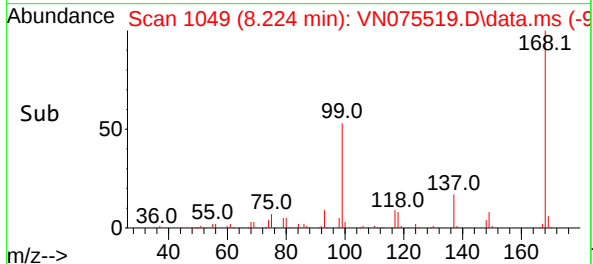
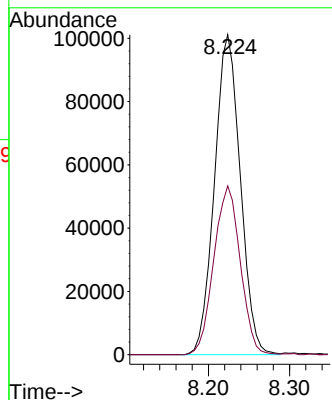
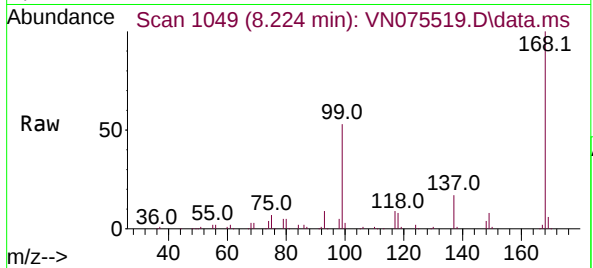




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

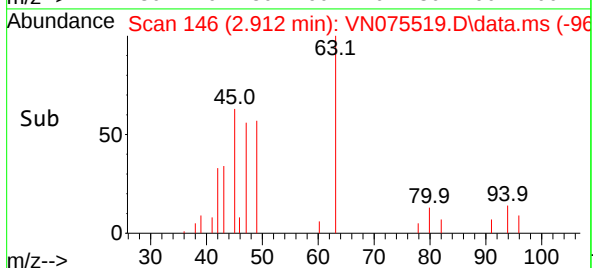
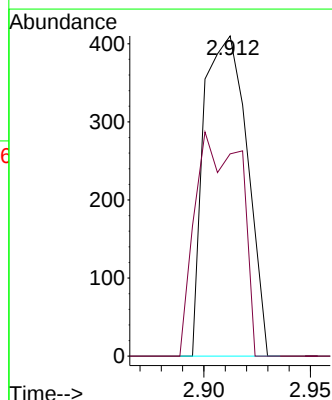
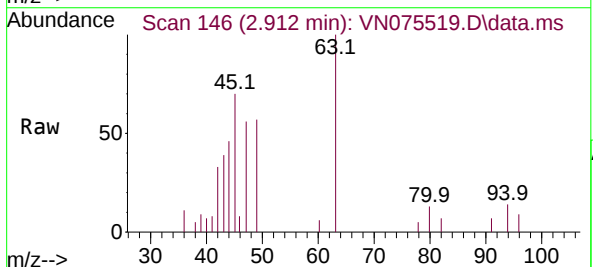
Instrument :
MSVOA_N
ClientSampleId :

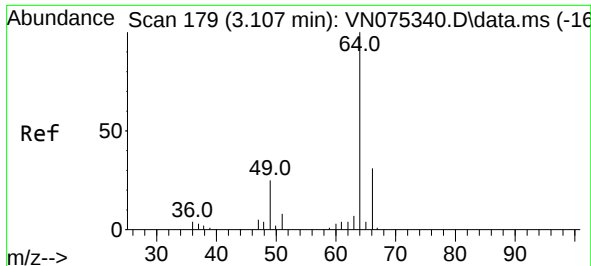
Tgt Ion:168 Resp: 223729
Ion Ratio Lower Upper
168 100
99 52.7 51.6 77.4



#5
Bromomethane
Concen: 0.245 ug/l
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 63.2 71.8 107.6#

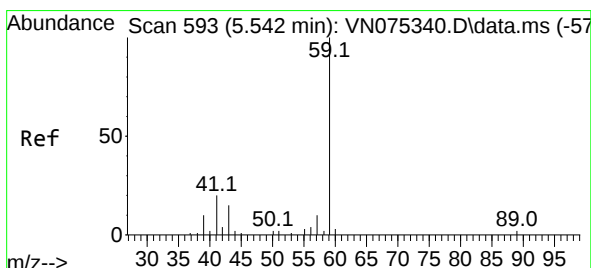
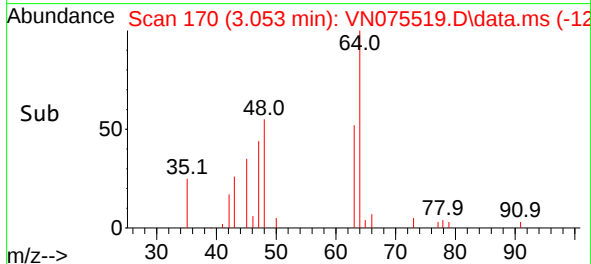
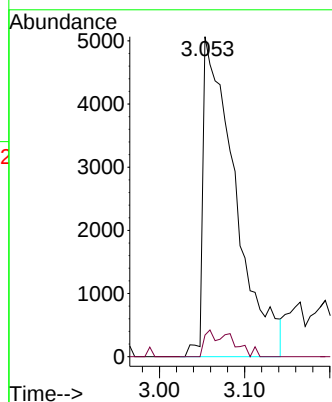
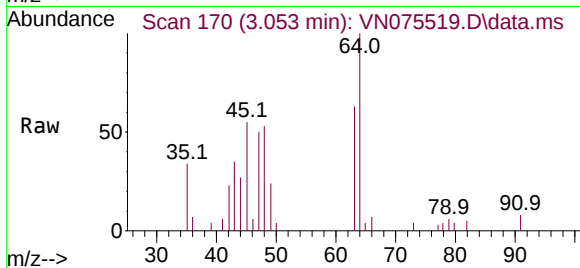




#6
Chloroethane
Concen: 6.524 ug/l
RT: 3.053 min Scan# 11
Delta R.T. -0.054 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

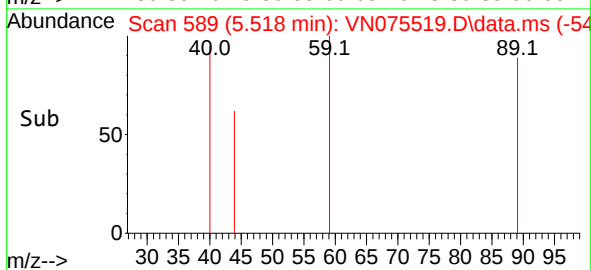
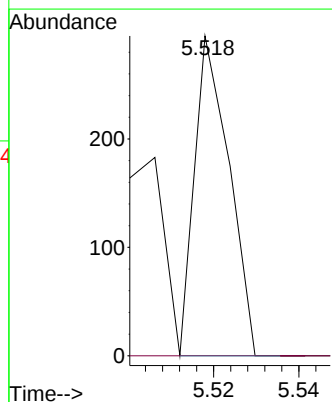
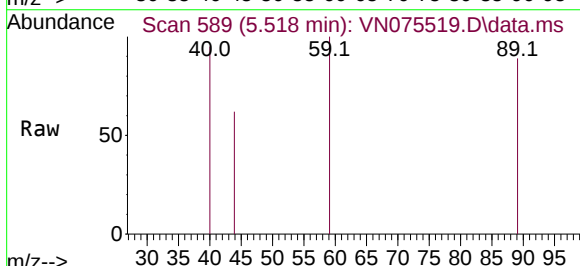
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 13263
Ion Ratio Lower Upper
64 100
66 6.8 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.329 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

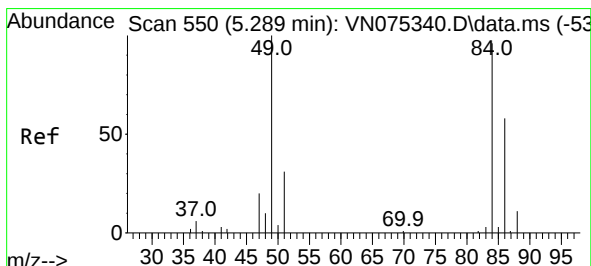
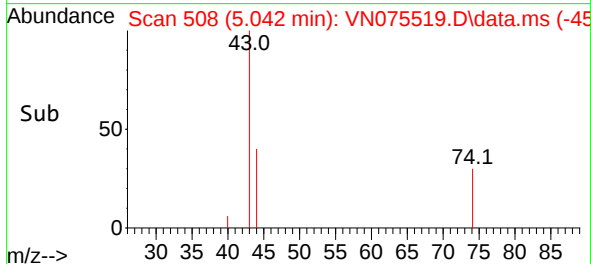
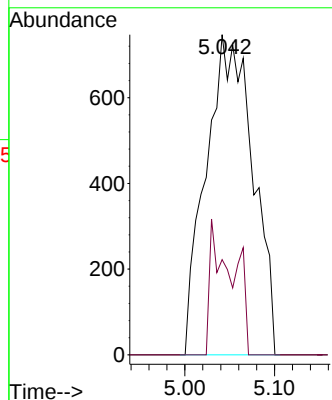
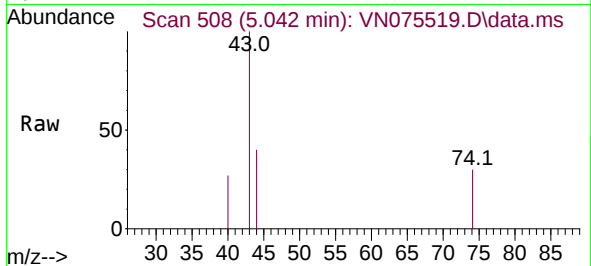




#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

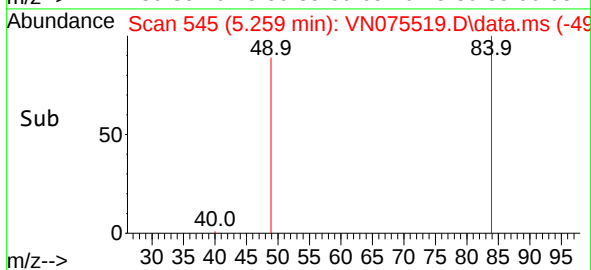
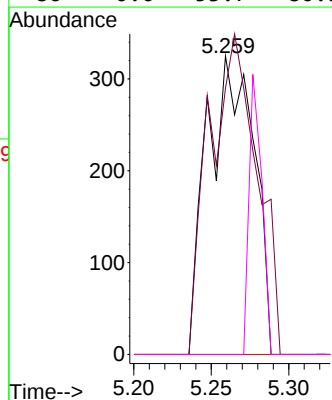
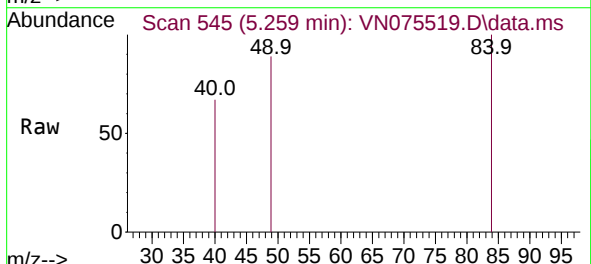
Instrument :
MSVOA_N
ClientSampleId :

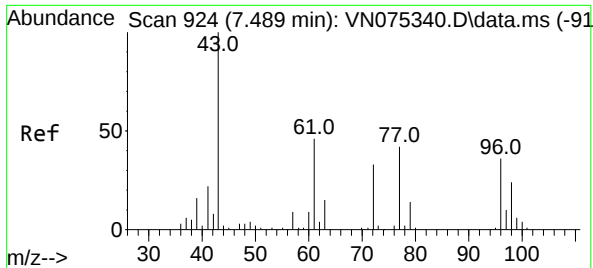
Tgt Ion: 43 Resp: 2706
Ion Ratio Lower Upper
43 100
74 14.2 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 545
Delta R.T. -0.030 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 84 Resp: 683
Ion Ratio Lower Upper
84 100
49 89.2 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#

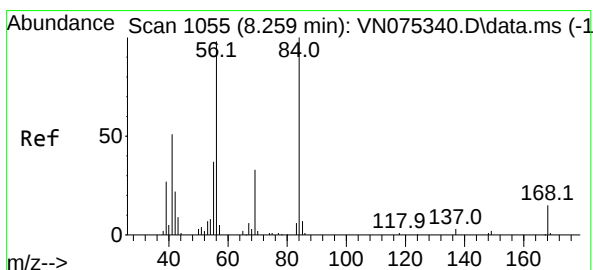
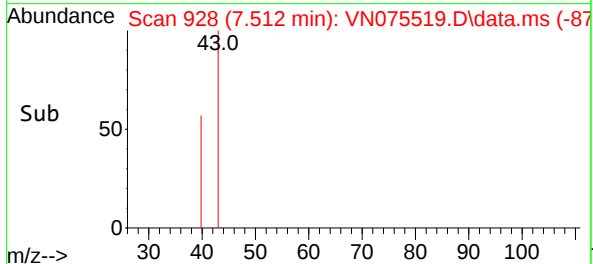
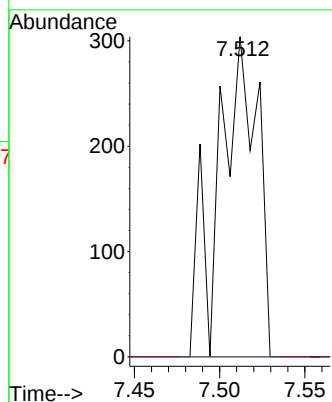
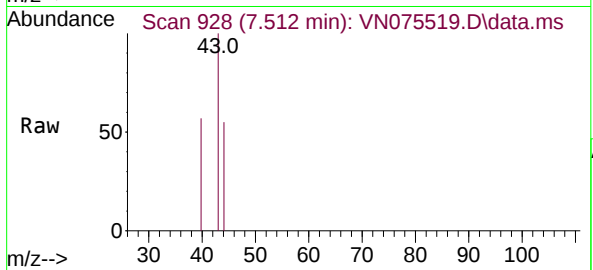




#25
2-Butanone
Concen: 0.314 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

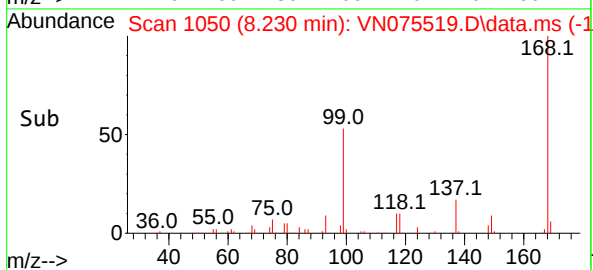
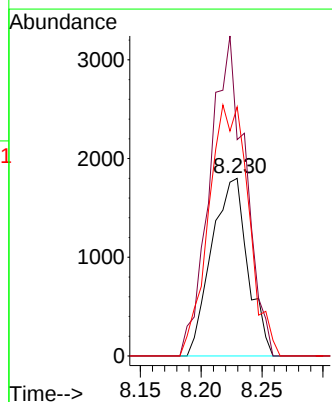
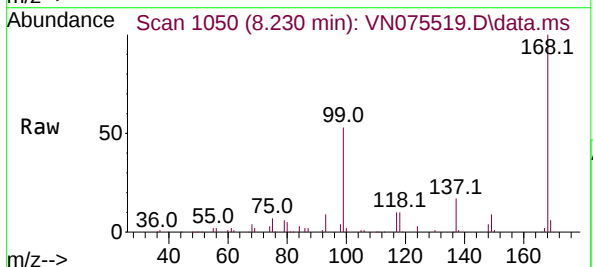
Instrument :
MSVOA_N
ClientSampleId :

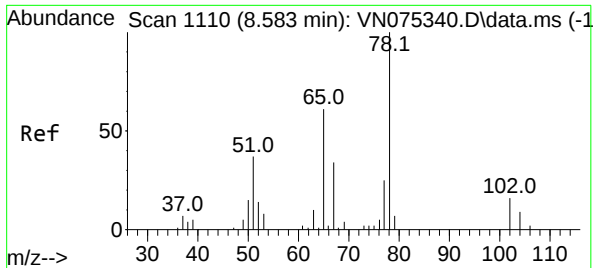
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 0.976 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 56 Resp: 3723
Ion Ratio Lower Upper
56 100
69 121.8 25.2 37.8#
84 140.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 13.091 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075519.D

Acq: 01 Dec 2022 17:06

Instrument :

MSVOA_N

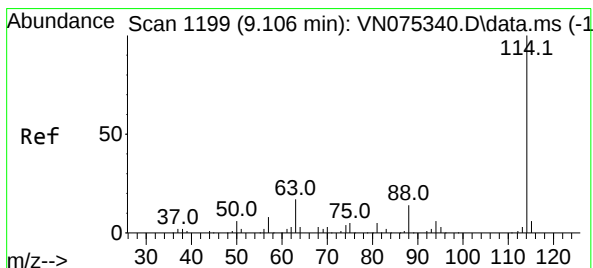
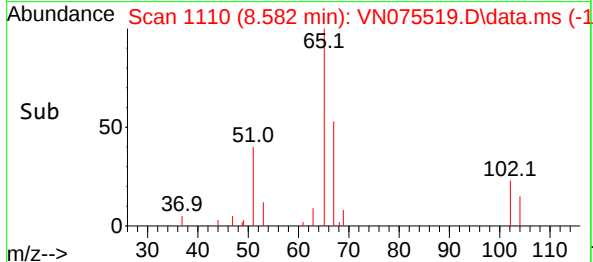
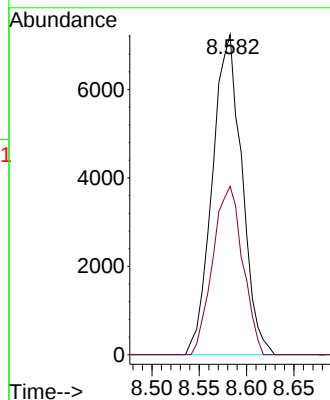
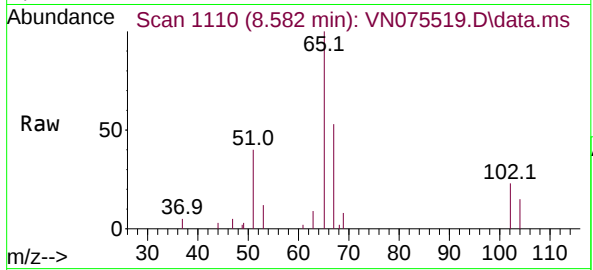
ClientSampleId :

Tgt Ion: 65 Resp: 15721

Ion Ratio Lower Upper

65 100

67 53.3 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075519.D

Acq: 01 Dec 2022 17:06

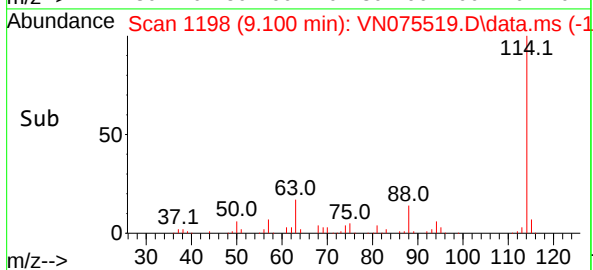
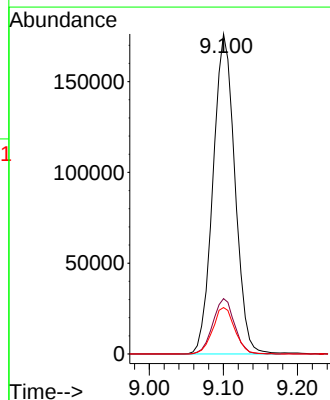
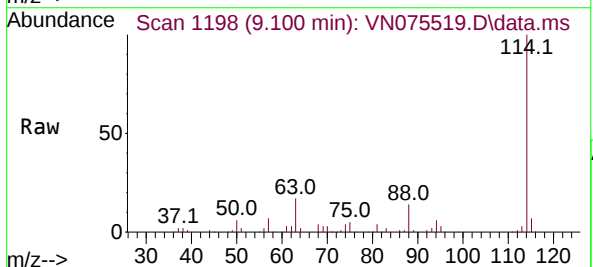
Tgt Ion: 114 Resp: 361427

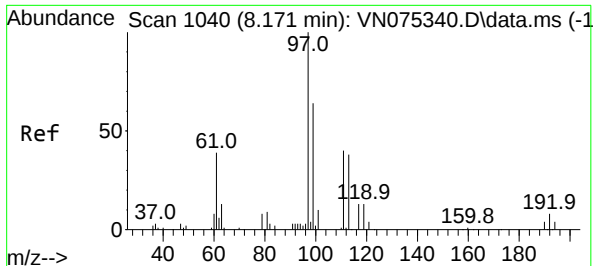
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 13.378 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

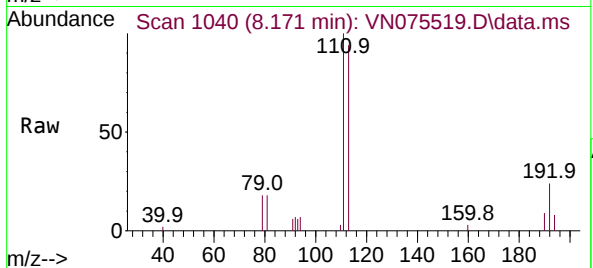
Lab File: VN075519.D

Acq: 01 Dec 2022 17:06

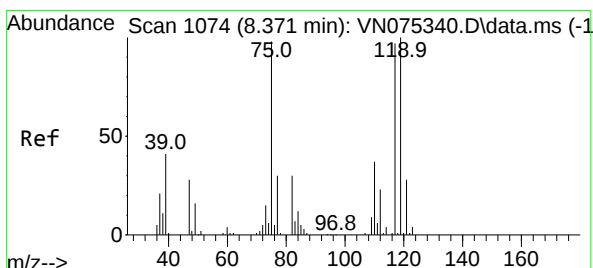
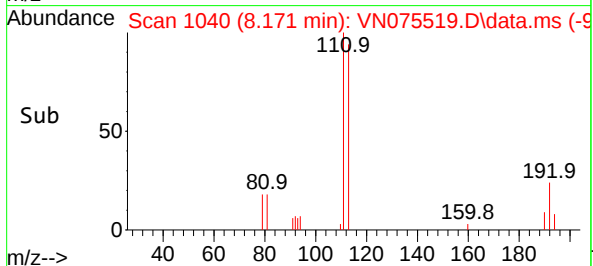
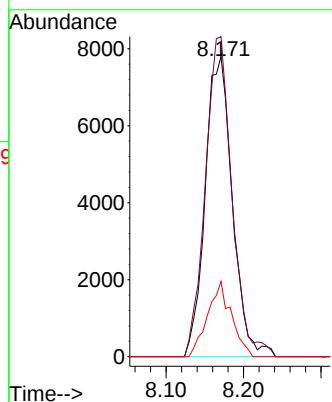
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	18994
Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.5	120.7
192	21.9	13.2	19.8#



#36

1,1-Dichloropropene

Concen: 4.988 ug/l

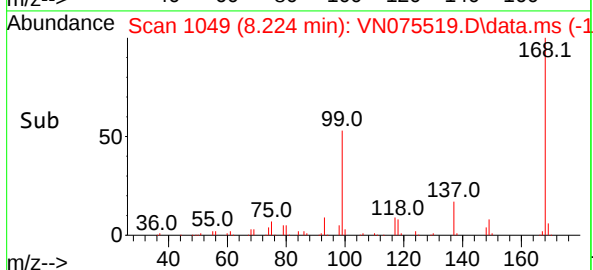
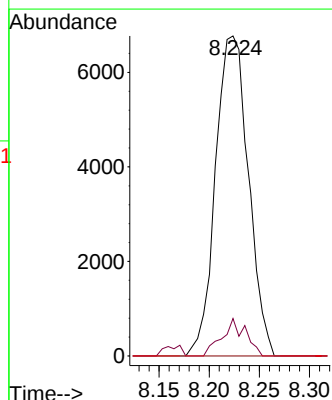
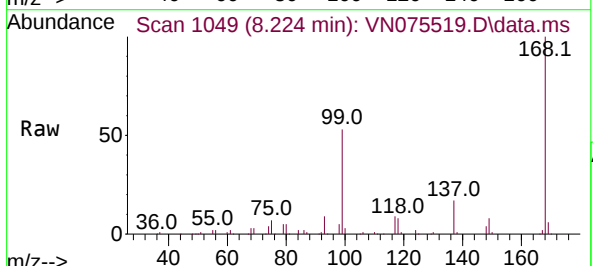
RT: 8.224 min Scan# 1049

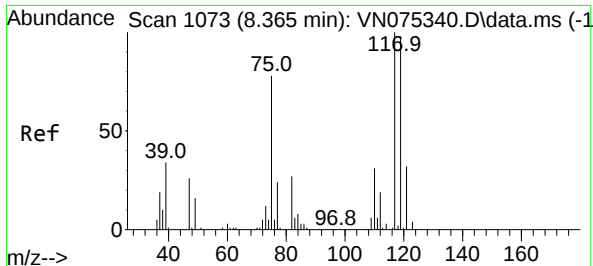
Delta R.T. -0.147 min

Lab File: VN075519.D

Acq: 01 Dec 2022 17:06

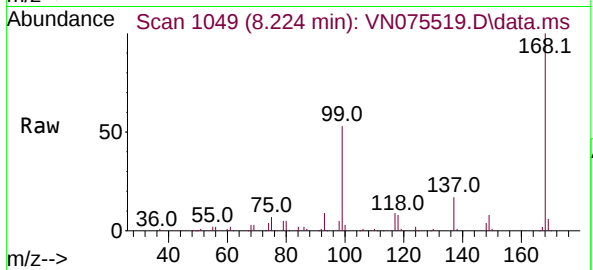
Tgt Ion:	75	Resp:	15444
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.3#
77	0.0	24.6	37.0#



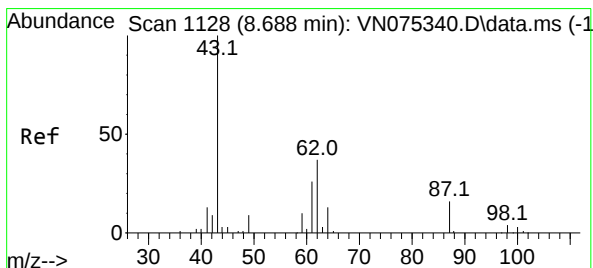
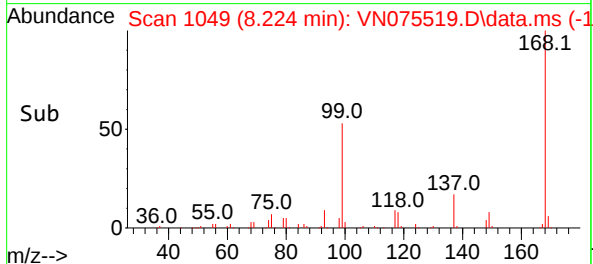
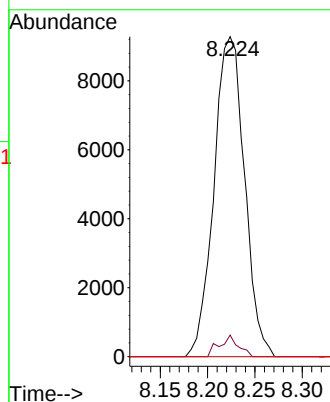


#38
Carbon Tetrachloride
Concen: 6.135 ug/l
RT: 8.224 min Scan# 1109
Delta R.T. -0.141 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Instrument :
MSVOA_N
ClientSampleId :

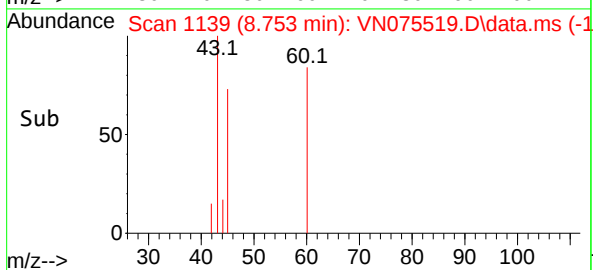
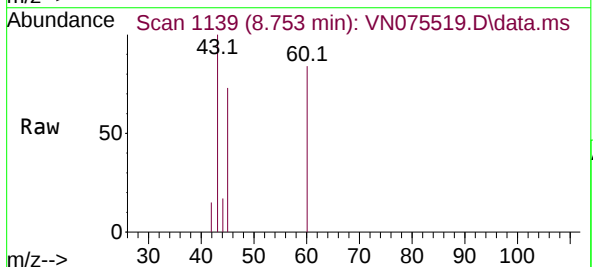


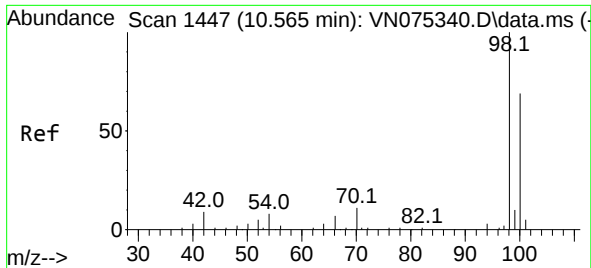
Tgt Ion:117 Resp: 20867
Ion Ratio Lower Upper
117 100
119 6.8 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.679 ug/l
RT: 8.753 min Scan# 1139
Delta R.T. 0.065 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

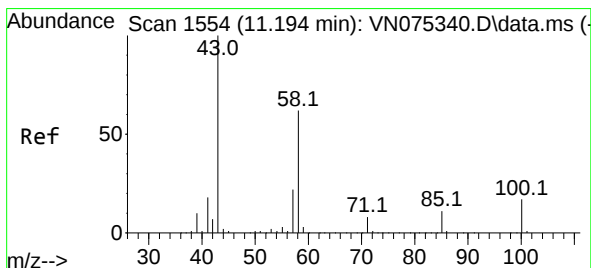
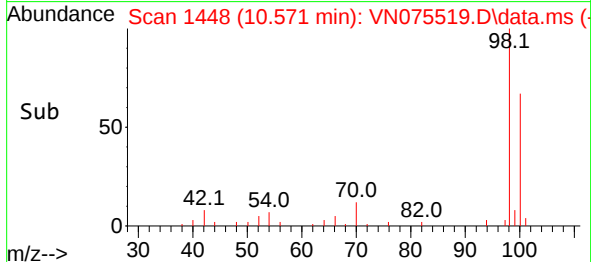
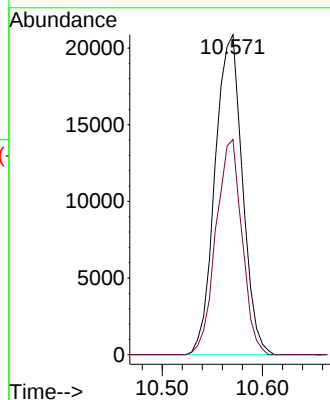
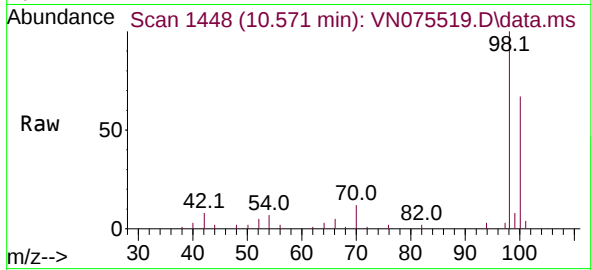




#50
Toluene-d8
Concen: 12.374 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

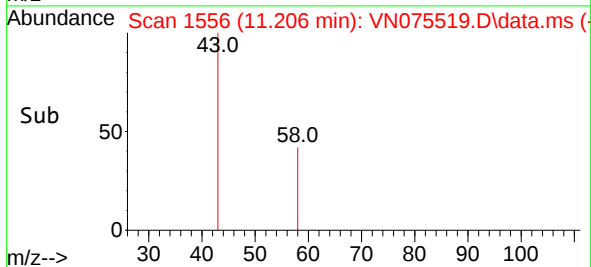
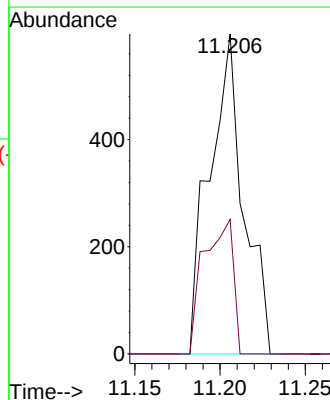
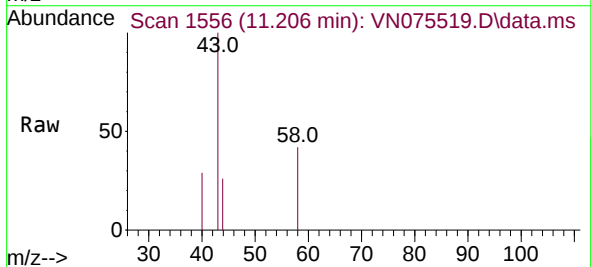
Instrument :
MSVOA_N
ClientSampleId :

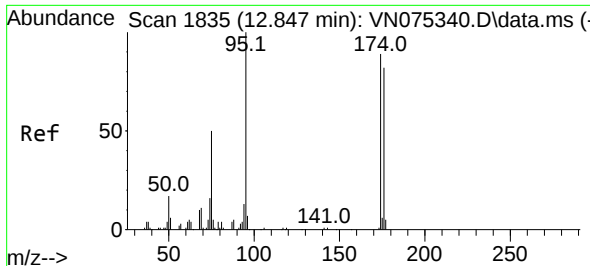
Tgt Ion: 98 Resp: 39568
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.6



#59
2-Hexanone
Concen: 0.389 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.012 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 36.1 29.6 88.8

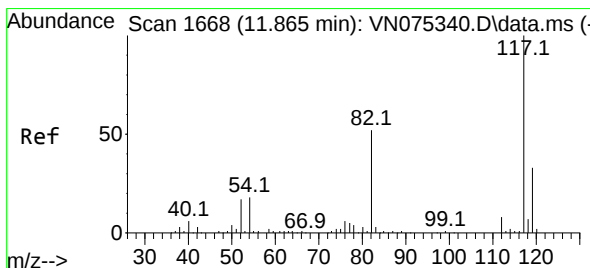
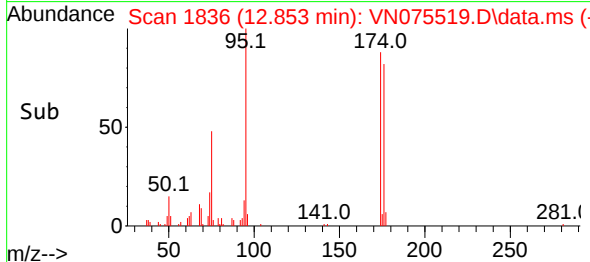
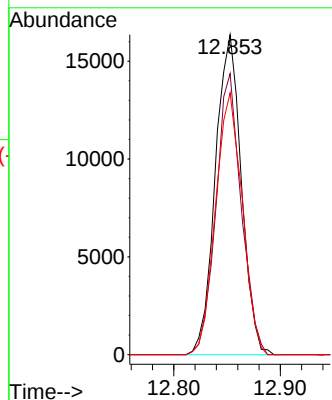
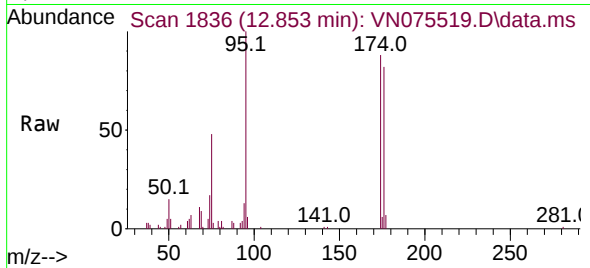




#62
4-Bromofluorobenzene
Concen: 11.701 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

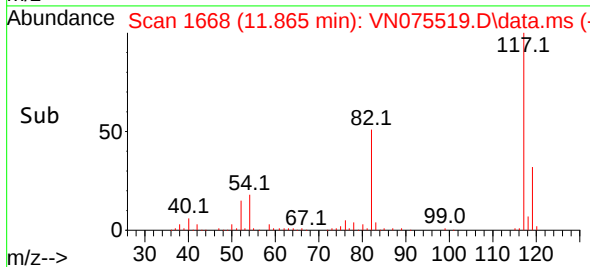
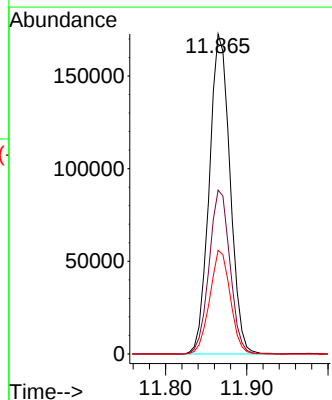
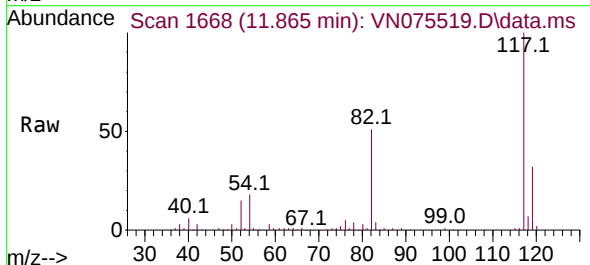
Instrument :
MSVOA_N
ClientSampleId :

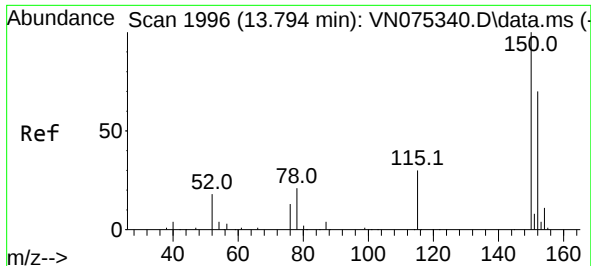
Tgt Ion: 95 Resp: 27618
Ion Ratio Lower Upper
95 100
174 85.6 0.0 147.4
176 84.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 117 Resp: 307117
Ion Ratio Lower Upper
117 100
82 51.2 43.1 64.7
119 32.4 25.5 38.3

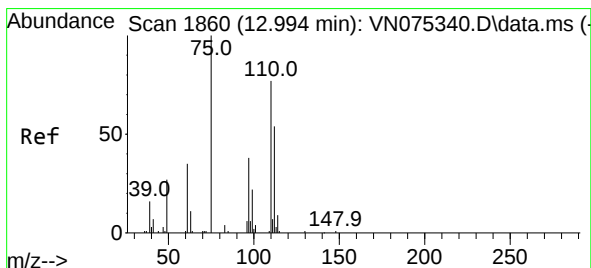
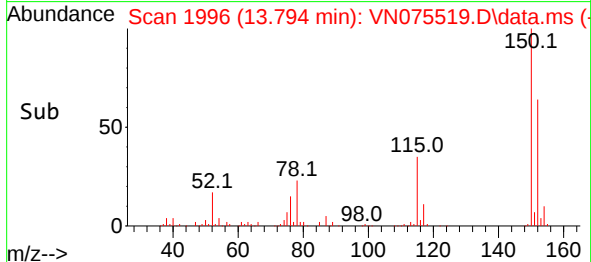
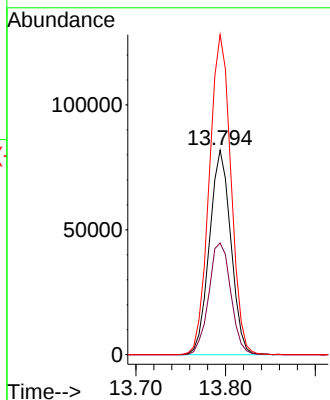
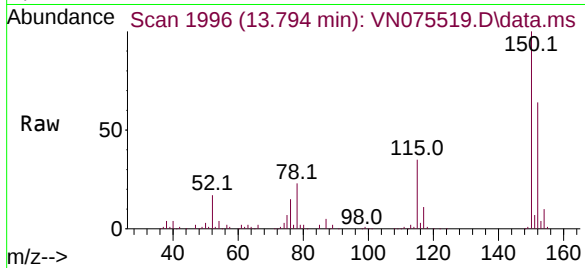




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075519.D
 Acq: 01 Dec 2022 17:06

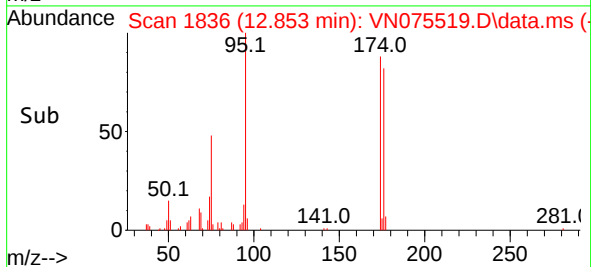
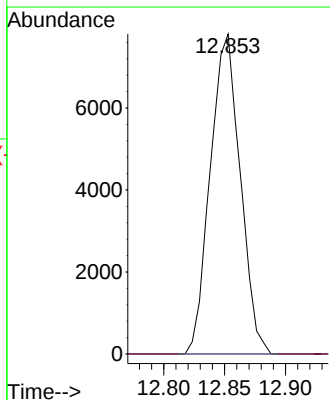
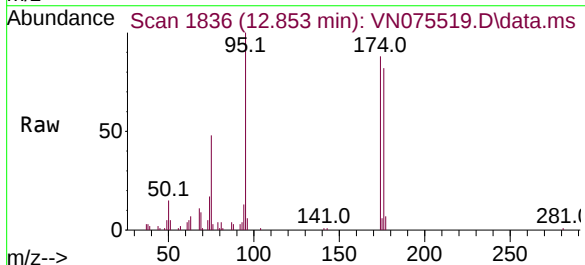
Instrument :
 MSVOA_N
 ClientSampleId :

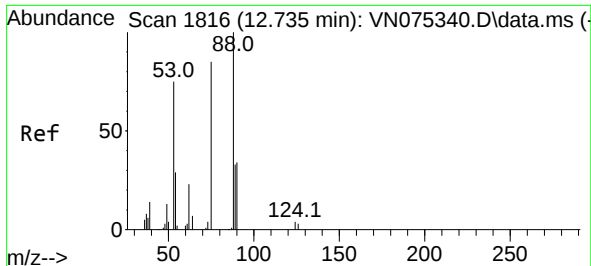
Tgt Ion:152 Resp: 135678
 Ion Ratio Lower Upper
 152 100
 115 56.5 30.2 90.6
 150 158.5 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 5.217 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075519.D
 Acq: 01 Dec 2022 17:06

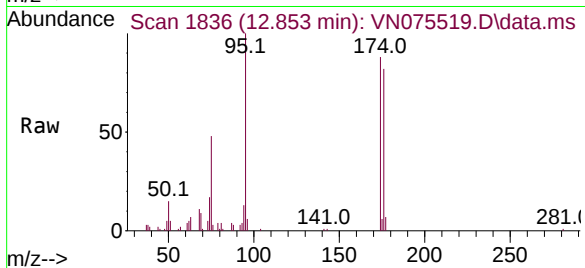
Tgt Ion: 75 Resp: 13382
 Ion Ratio Lower Upper
 75 100
 77 0.0 75.6 226.8#



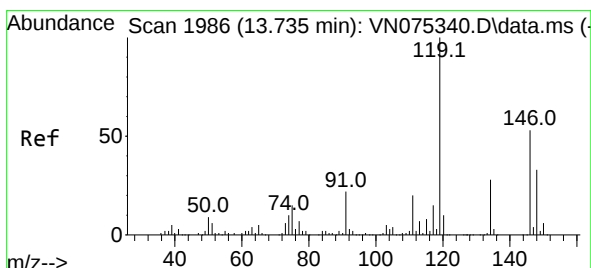
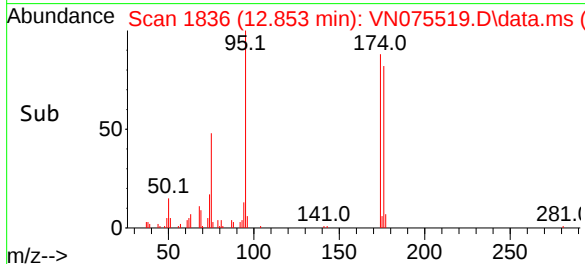
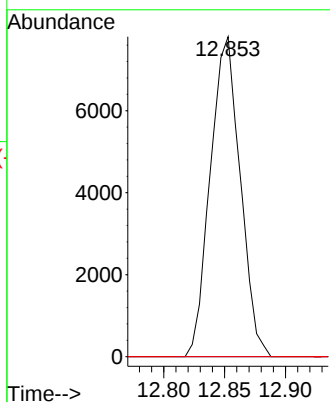


#81
trans-1,4-Dichloro-2-butene
Concen: 15.434 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Instrument :
MSVOA_N
ClientSampleId :

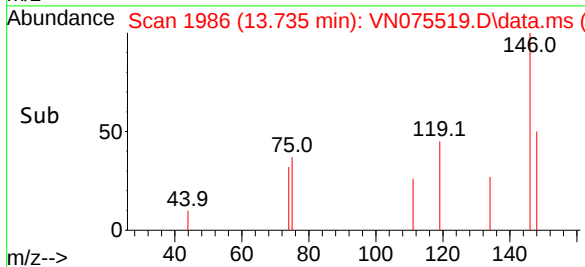
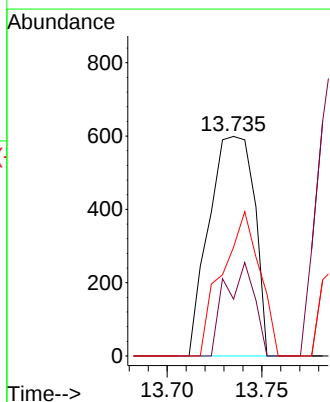
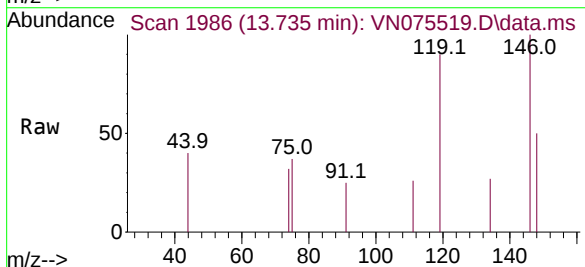


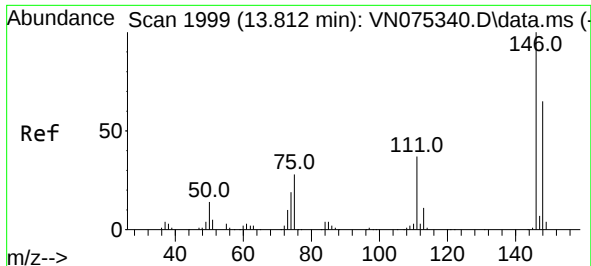
Tgt Ion: 75 Resp: 13382
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.215 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion: 146 Resp: 996
Ion Ratio Lower Upper
146 100
111 27.4 20.8 62.5
148 54.8 31.1 93.5

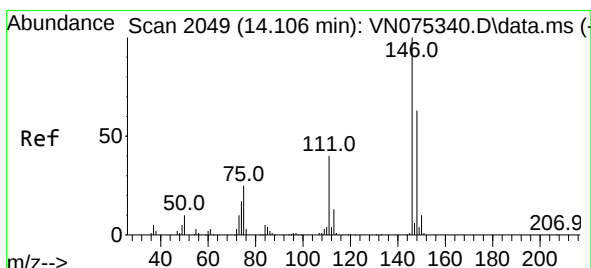
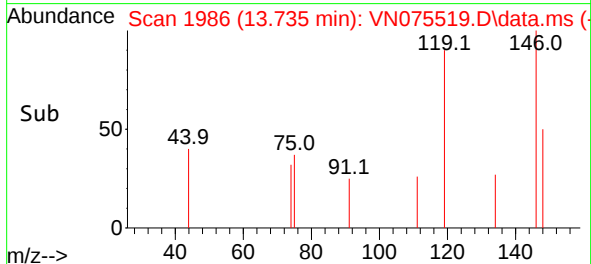
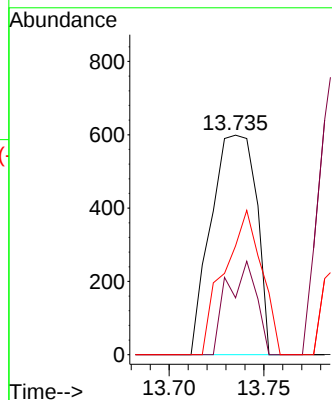
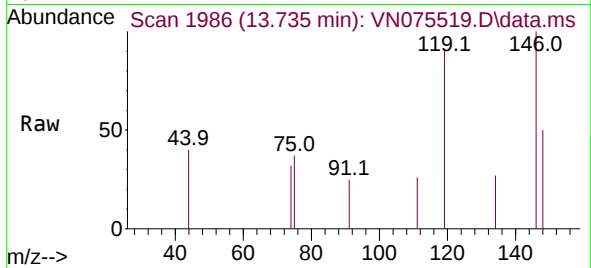




#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

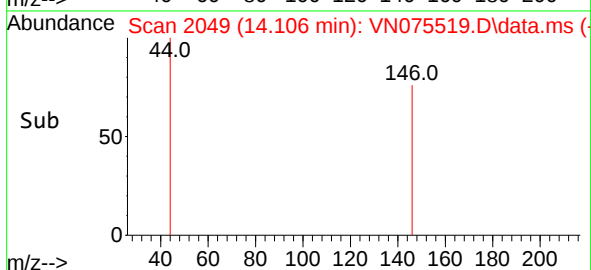
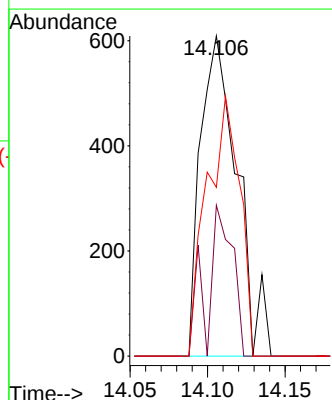
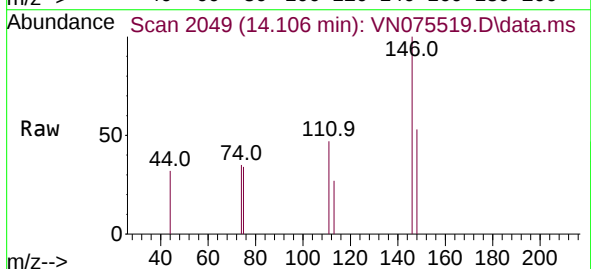
Instrument :
MSVOA_N
ClientSampleId :

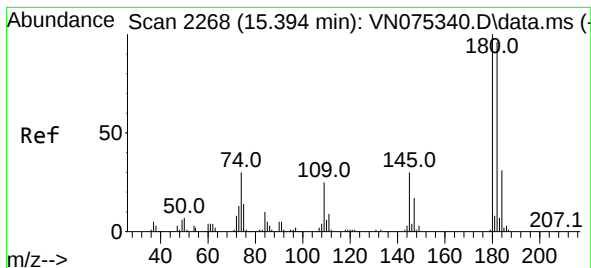
Tgt Ion:146 Resp: 996
Ion Ratio Lower Upper
146 100
111 27.4 20.1 60.3
148 54.8 31.9 95.7



#91
1,2-Dichlorobenzene
Concen: 0.221 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN075519.D
Acq: 01 Dec 2022 17:06

Tgt Ion:146 Resp: 1000
Ion Ratio Lower Upper
146 100
111 32.6 21.3 63.9
148 72.8 31.4 94.2





#93

1,2,4-Trichlorobenzene

Concen: 0.674 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075519.D

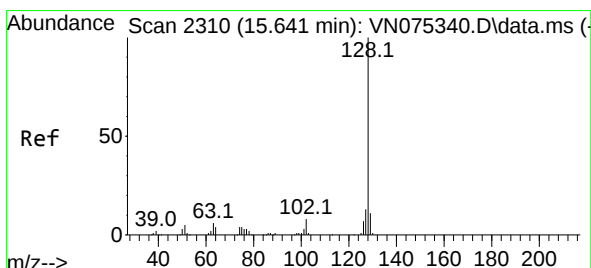
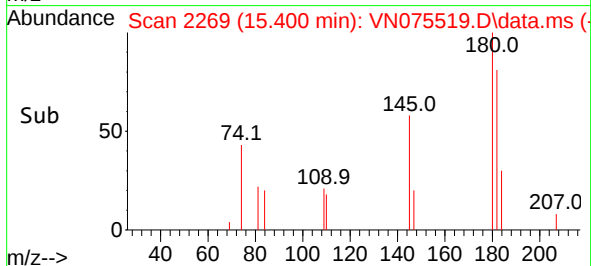
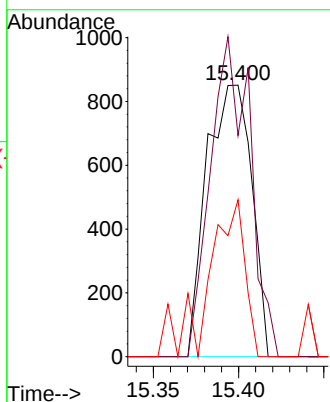
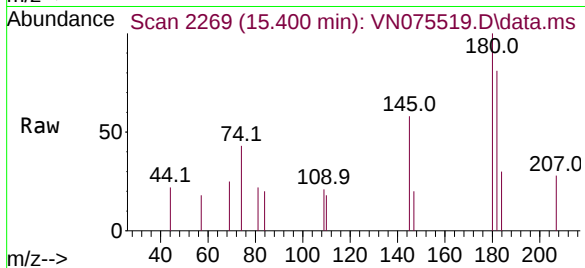
Acq: 01 Dec 2022 17:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	1560
Ion Ratio	Lower	Upper
180	100	
182	103.6	47.8 143.4
145	43.5	16.8 50.3



#95

Naphthalene

Concen: 1.815 ug/l

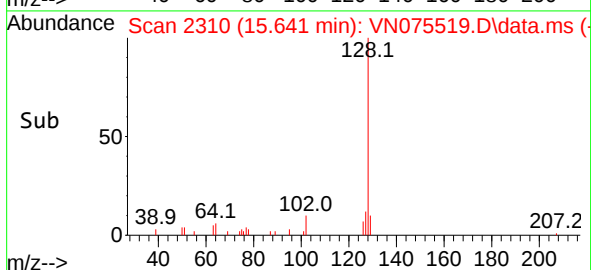
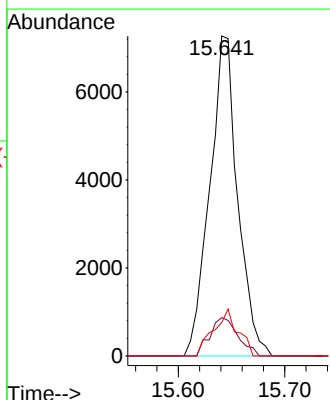
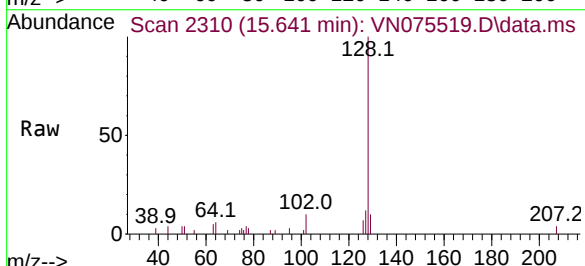
RT: 15.641 min Scan# 2310

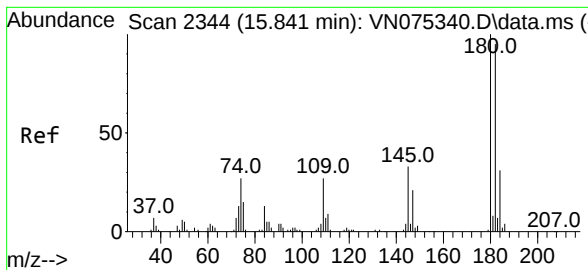
Delta R.T. -0.000 min

Lab File: VN075519.D

Acq: 01 Dec 2022 17:06

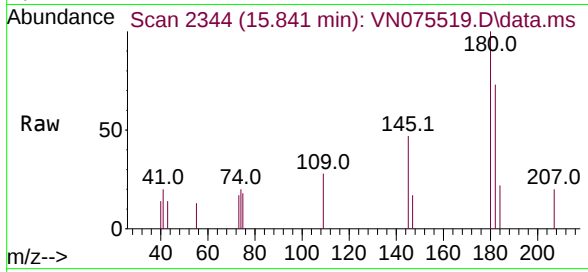
Tgt Ion:128	Resp:	13225
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.4 15.6
129	12.8	8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.939 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075519.D
 Acq: 01 Dec 2022 17:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2137
Ion	Ratio	Lower	Upper
180	100		
182	86.6	47.3	141.8
145	42.7	17.6	52.9

