

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068271.D
 Acq On : 23 Aug 2021 16:08
 Operator : JC/MD
 Sample : M3418-18
 Misc : 6.21g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:54:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	479527	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	822483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	792624	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	355062	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	270371	52.806	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.620%
35) Dibromofluoromethane	8.019	113	239961	46.470	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.940%
50) Toluene-d8	10.443	98	954642	48.519	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.734	95	318265	48.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.180%

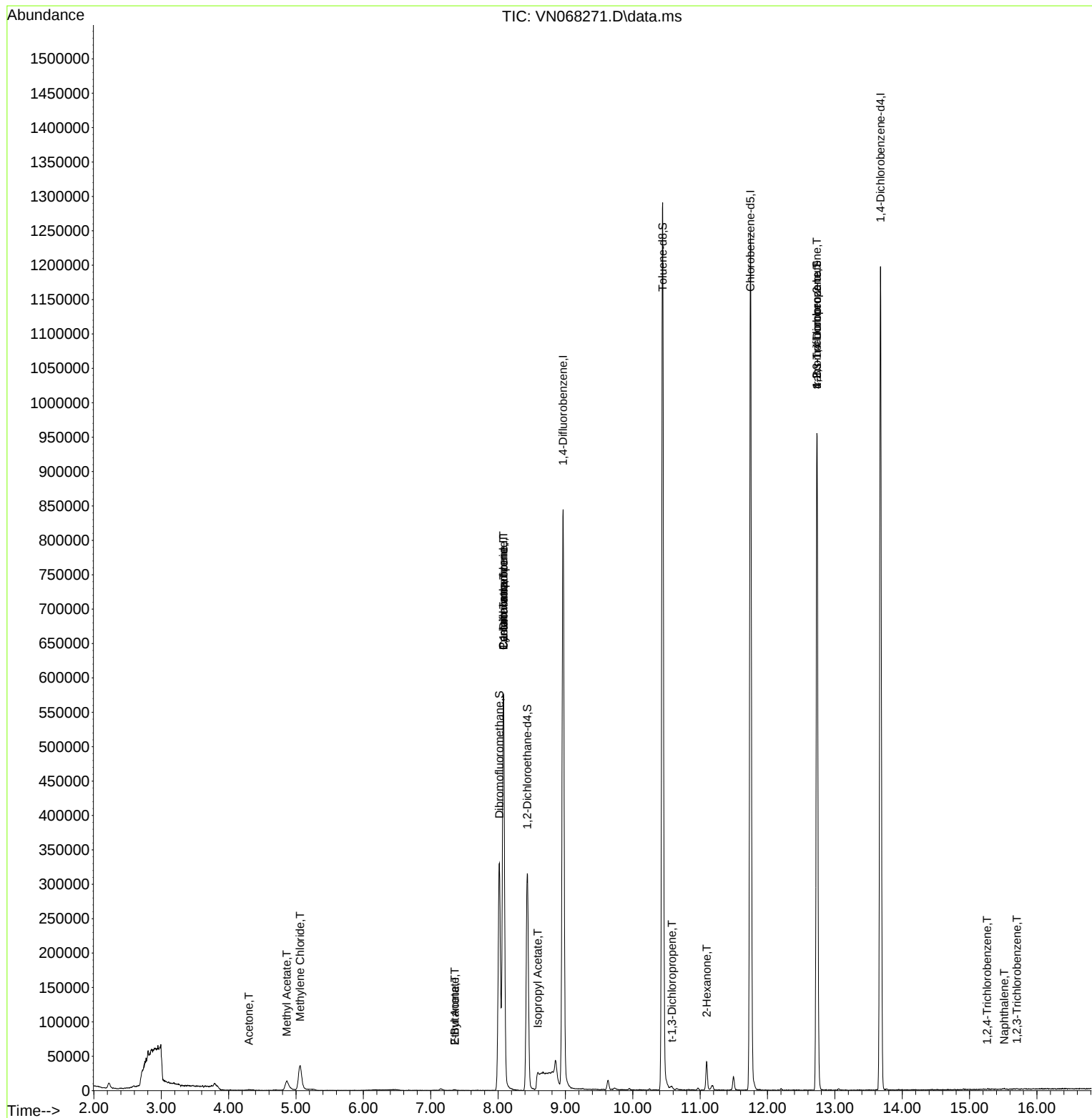
Target Compounds					Qvalue
5) Bromomethane	2.856	94	151	Below Cal	# 41
6) Chloroethane	2.995	64	375	Below Cal	# 52
13) Acrolein	4.025	56	102	Below Cal	# 49
16) Acetone	4.299	43	894	0.598	ug/l 97
18) Methyl Acetate	4.865	43	32364	5.609	ug/l # 77
20) Methylene Chloride	5.060	84	33154	6.152	ug/l # 82
25) 2-Butanone	7.356	43	1698	0.729	ug/l 97
31) Cyclohexane	8.080	56	8512	1.262	ug/l # 20
36) 1,1-Dichloropropene	8.080	75	31964	4.754	ug/l # 49
37) Ethyl Acetate	7.356	43	1698	0.296	ug/l # 69
38) Carbon Tetrachloride	8.080	117	45685	5.891	ug/l # 17
43) Isopropyl Acetate	8.590	43	24495	2.670	ug/l # 59
53) t-1,3-Dichloropropene	10.583	75	1466	0.204	ug/l # 75
59) 2-Hexanone	11.098	43	5580	1.426	ug/l 79
76) 1,2,3-Trichloropropane	12.734	75	160949	27.273	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.734	75	160949	89.349	ug/l # 6
93) 1,2,4-Trichlorobenzene	15.263	180	215	2.719	ug/l # 30
95) Naphthalene	15.515	128	1608	3.452	ug/l # 84
96) 1,2,3-Trichlorobenzene	15.703	180	277	2.878	ug/l 79

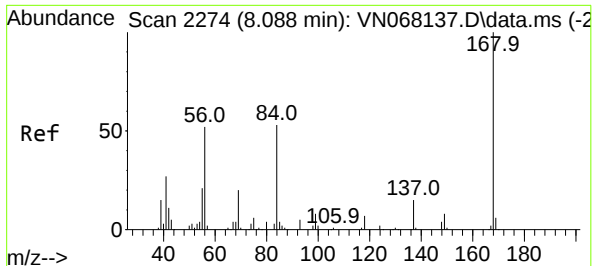
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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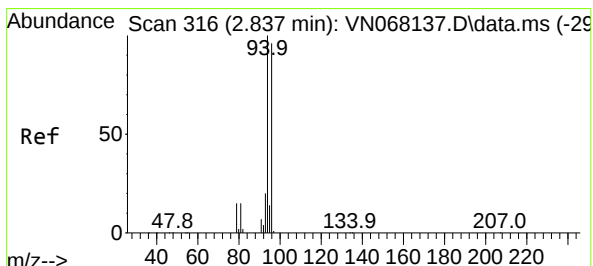
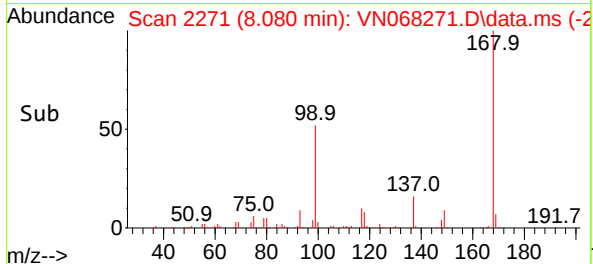
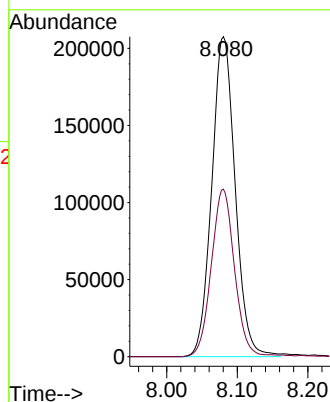
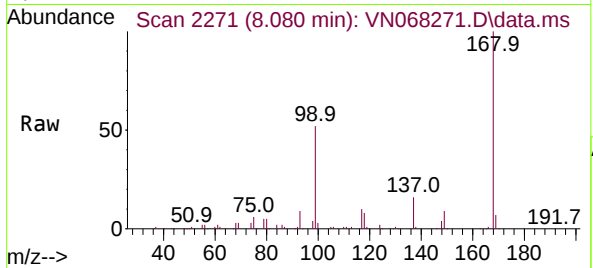




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.008 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

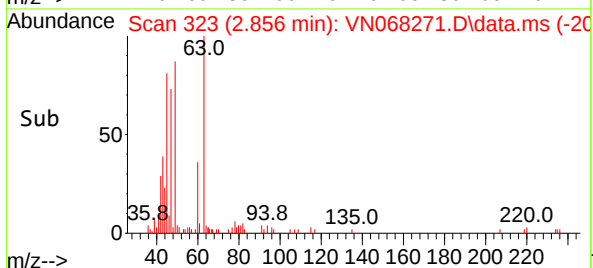
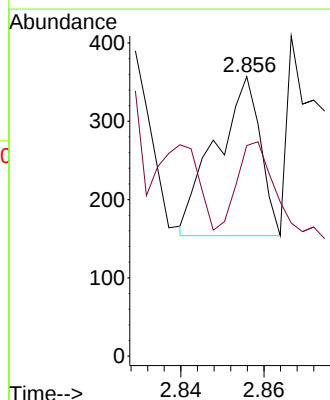
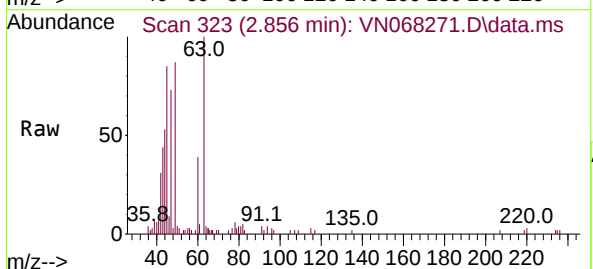
Instrument :
MSVOA_N
ClientSampled :

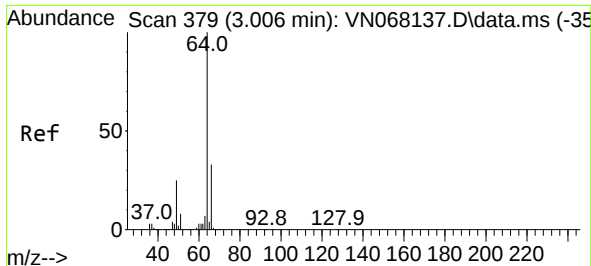
Tgt Ion:168 Resp: 479527
Ion Ratio Lower Upper
168 100
99 52.4 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.856 min Scan# 323
Delta R.T. 0.019 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 35.5 73.7 110.5#

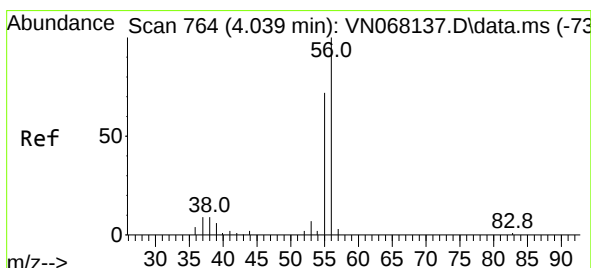
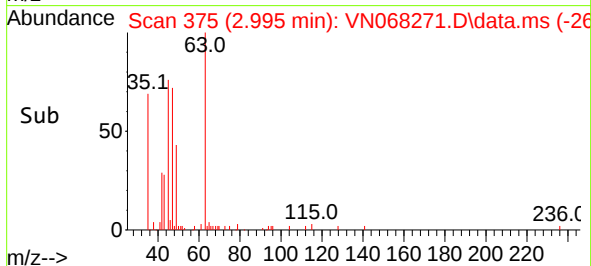
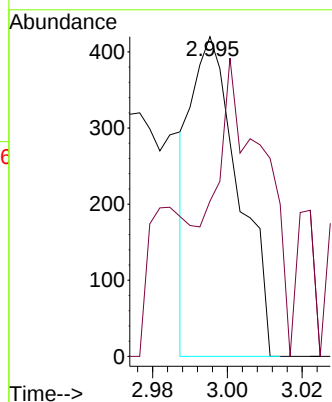
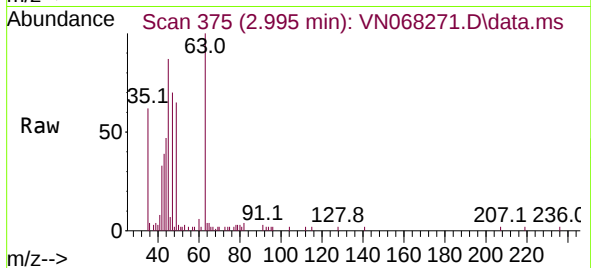




#6
Chloroethane
Concen: Below Cal
RT: 2.995 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

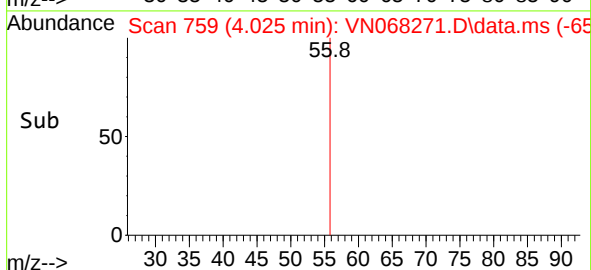
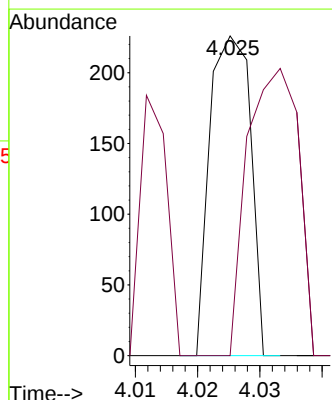
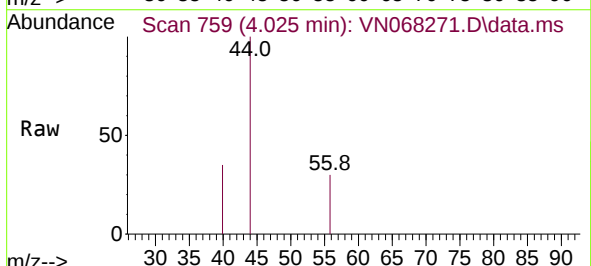
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 375
Ion Ratio Lower Upper
64 100
66 4.8 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.025 min Scan# 759
Delta R.T. -0.014 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 113.7 57.4 86.0#

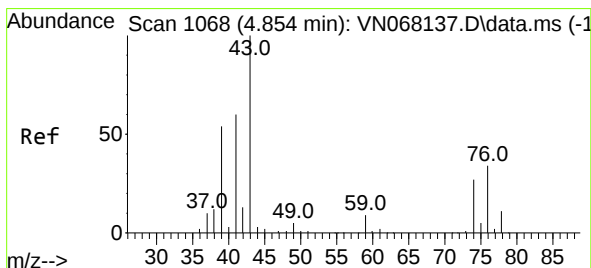
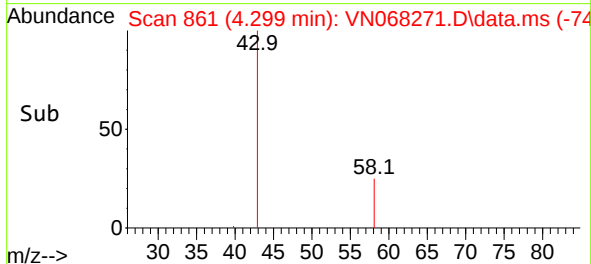
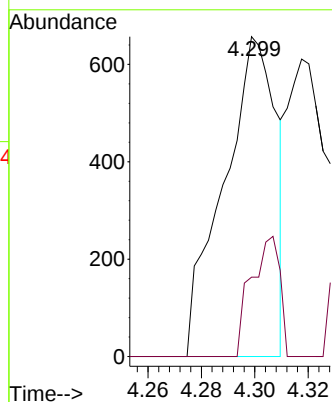
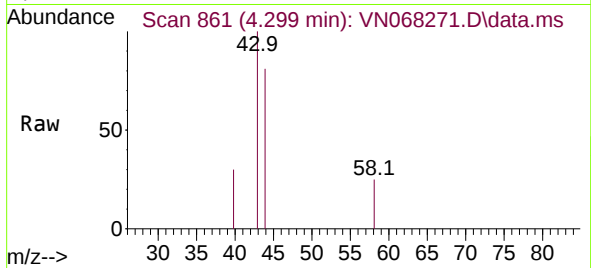




#16
Acetone
Concen: 0.598 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

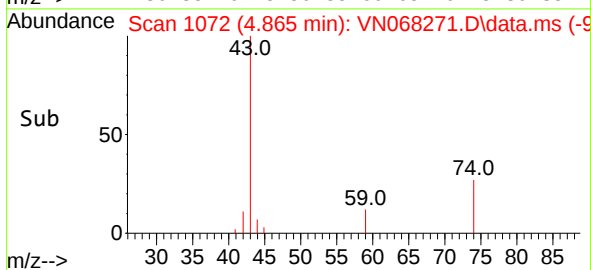
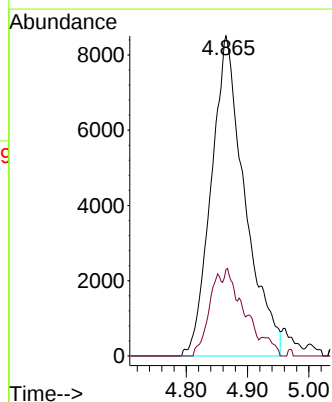
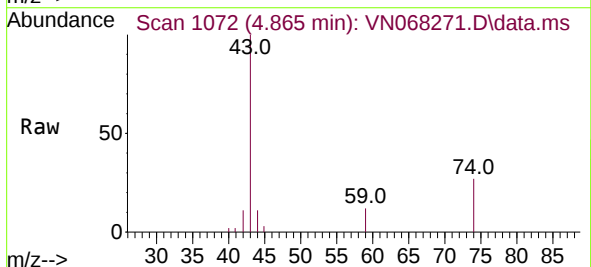
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 24.8 21.2 31.8



#18
Methyl Acetate
Concen: 5.609 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

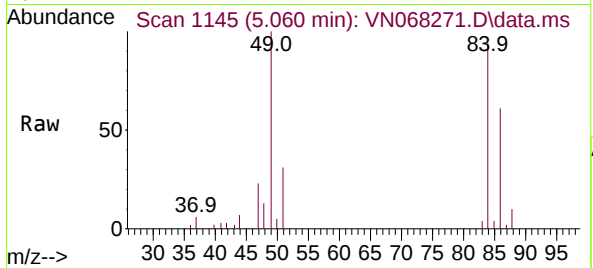
Tgt Ion: 43 Resp: 32364
Ion Ratio Lower Upper
43 100
74 10.7 17.4 26.0#



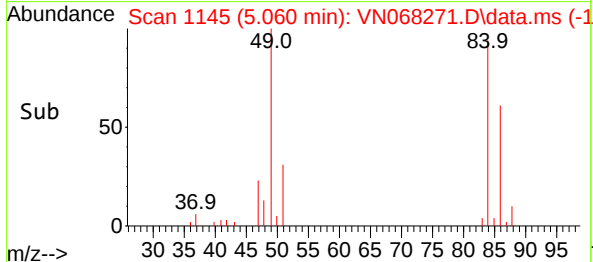
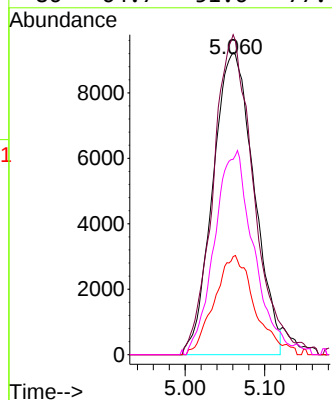


#20
Methylene Chloride
Concen: 6.152 ug/l
RT: 5.060 min Scan# 1145
Delta R.T. -0.033 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Instrument :
MSVOA_N
ClientSampled :

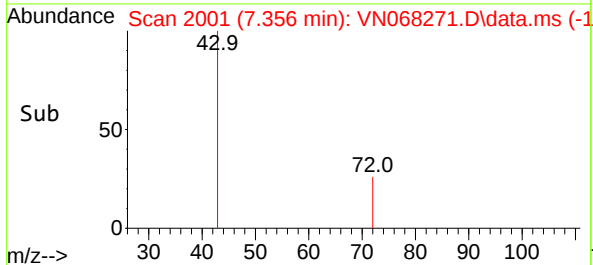
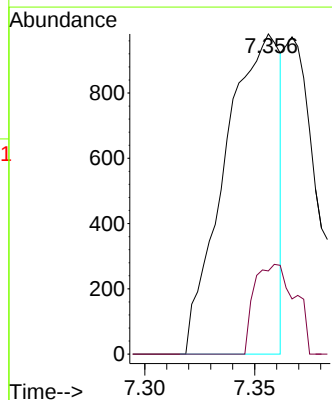
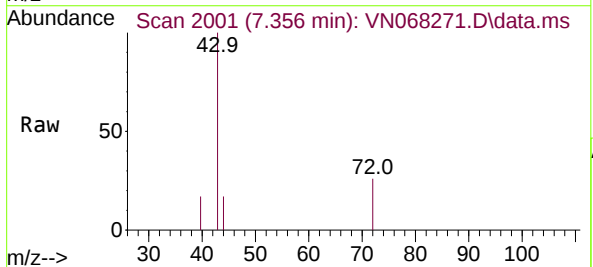


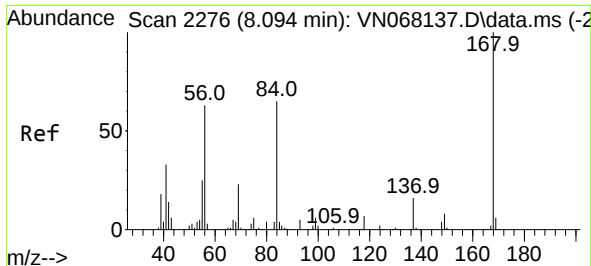
Tgt Ion:	84	Resp:	33154
Ion	Ratio	Lower	Upper
84	100		
49	105.9	110.9	166.3#
51	32.5	32.6	49.0#
86	64.7	51.6	77.4



#25
2-Butanone
Concen: 0.729 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion:	43	Resp:	1698
Ion	Ratio	Lower	Upper
43	100		
72	26.0	19.7	29.5

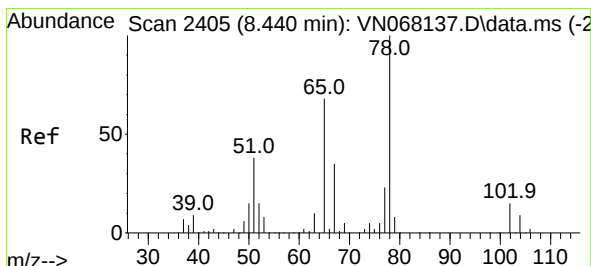
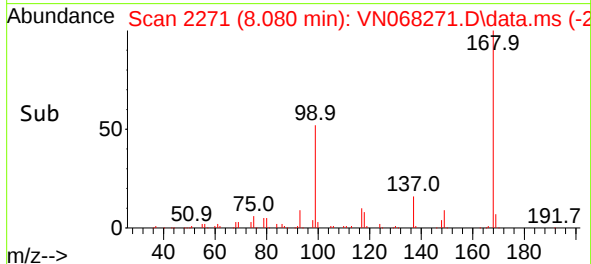
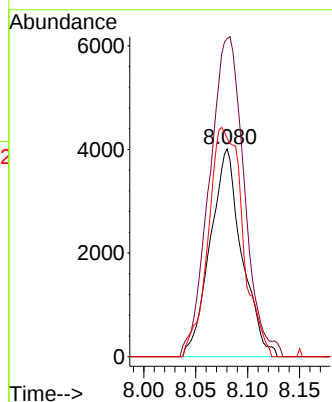
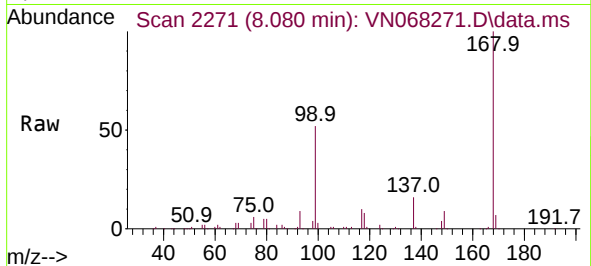




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

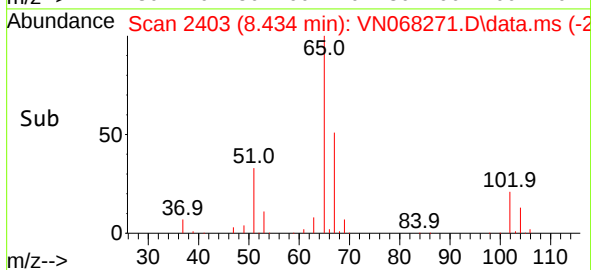
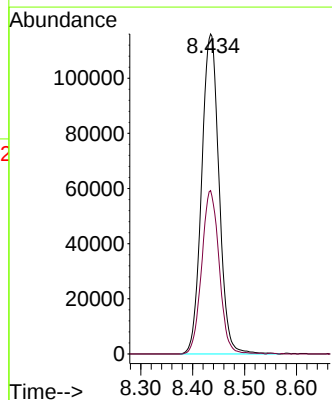
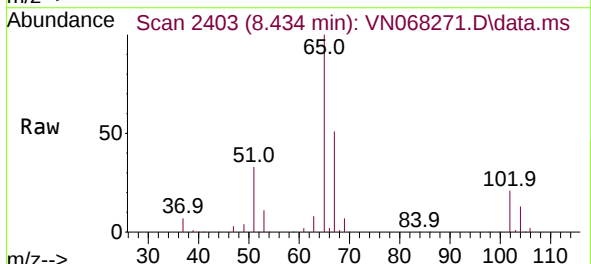
Instrument :
MSVOA_N
ClientSampled :

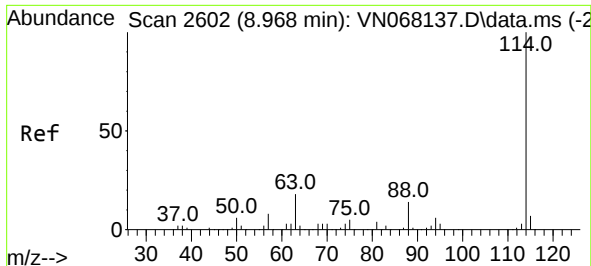
Tgt Ion: 56 Resp: 8512
Ion Ratio Lower Upper
56 100
69 153.1 27.3 40.9#
84 105.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.806 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion: 65 Resp: 270371
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

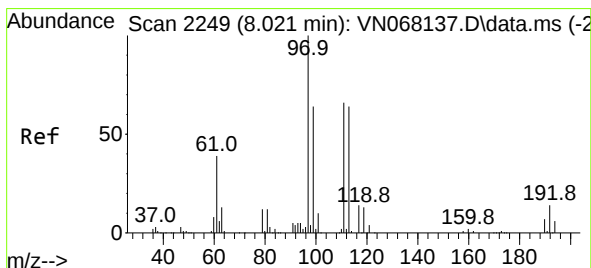
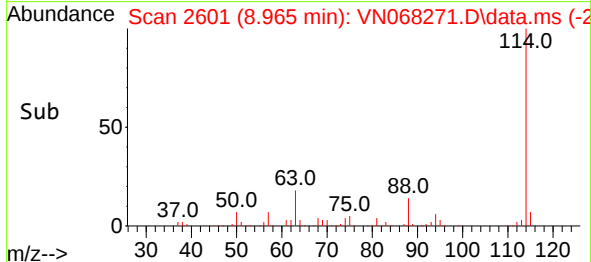
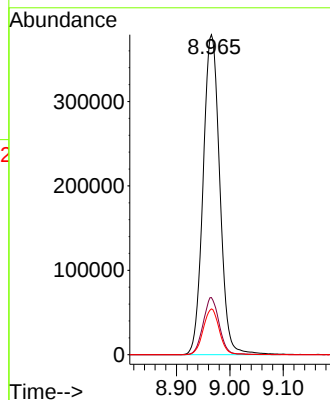
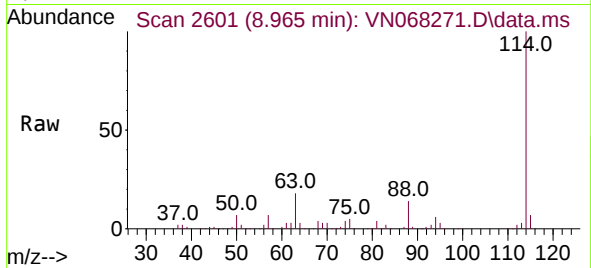




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

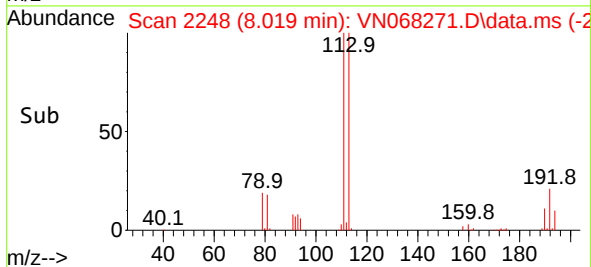
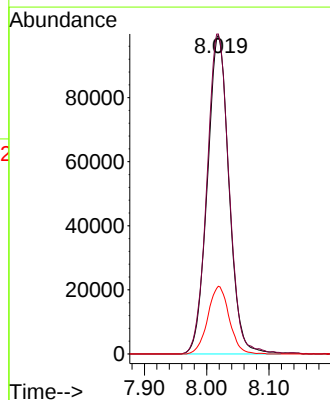
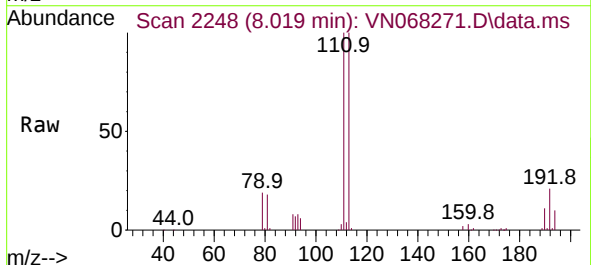
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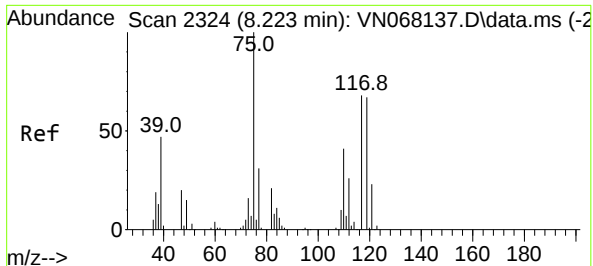
Tgt Ion:114 Resp: 822483
Ion Ratio Lower Upper
114 100
63 17.9 0.0 49.0
88 14.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.470 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion:113 Resp: 239961
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 20.9 13.4 20.0#

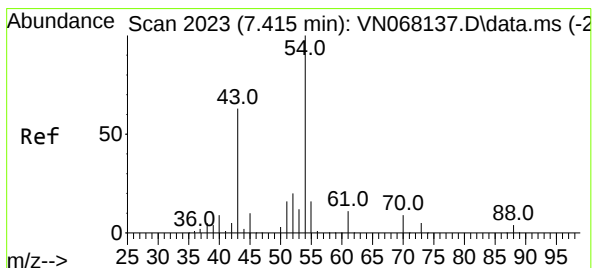
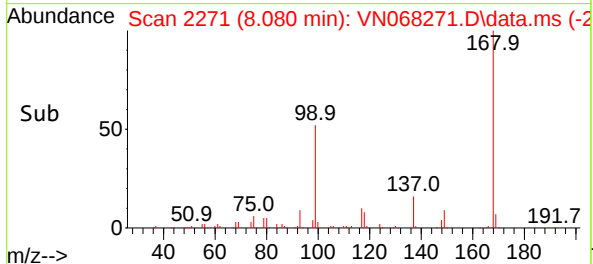
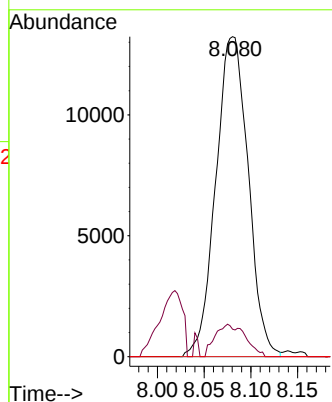
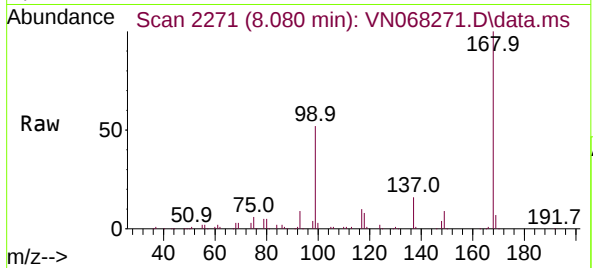




#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.143 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

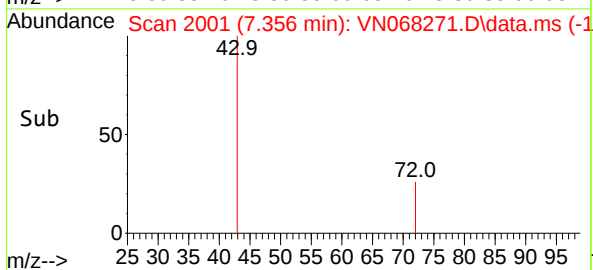
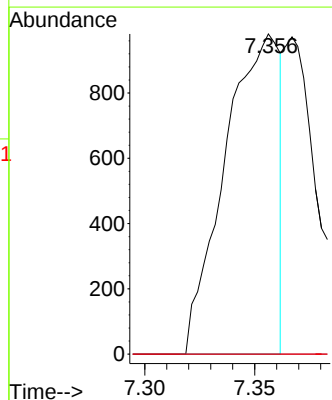
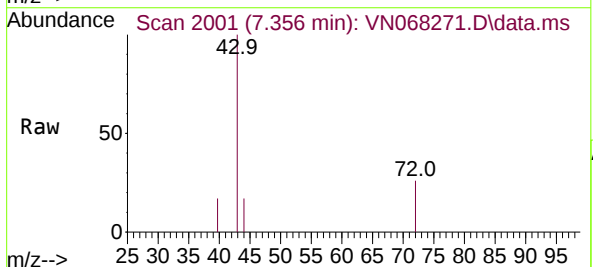
Instrument :
MSVOA_N
ClientSampled :

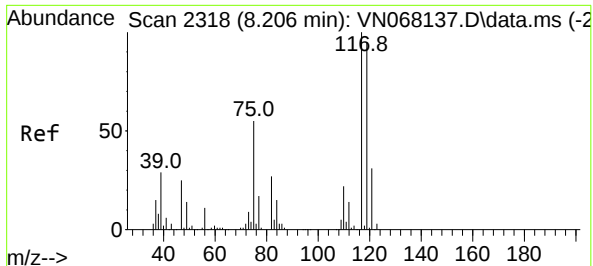
Tgt Ion: 75 Resp: 31964
Ion Ratio Lower Upper
75 100
110 6.0 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.296 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. -0.059 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

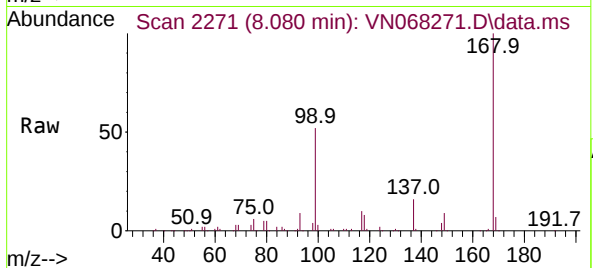
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



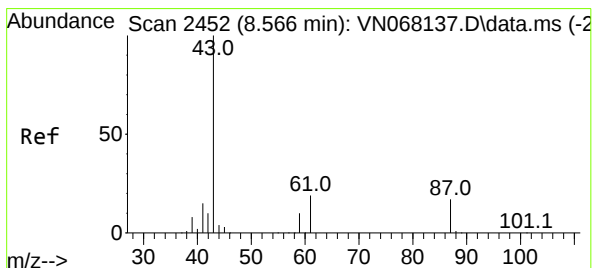
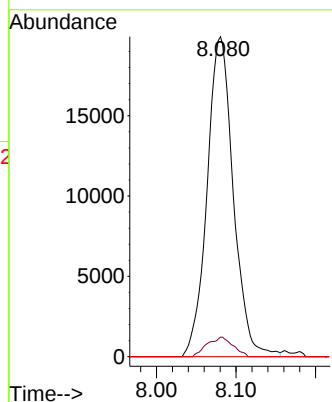
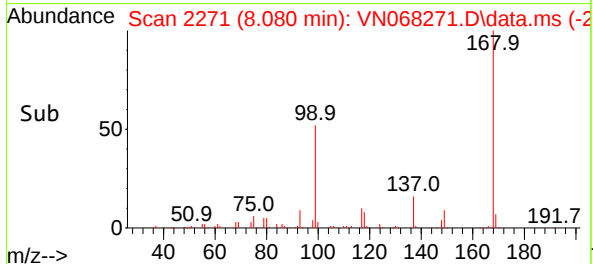


#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

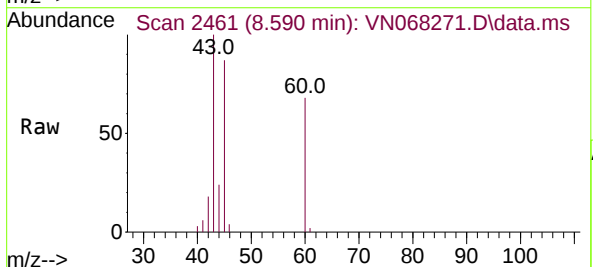
Instrument :
MSVOA_N
ClientSampled :



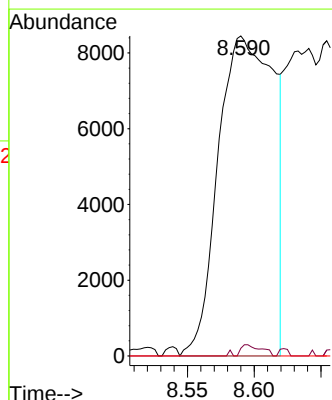
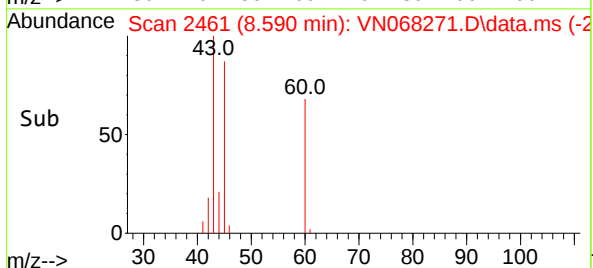
Tgt Ion:117 Resp: 45685
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 23.5 35.3#

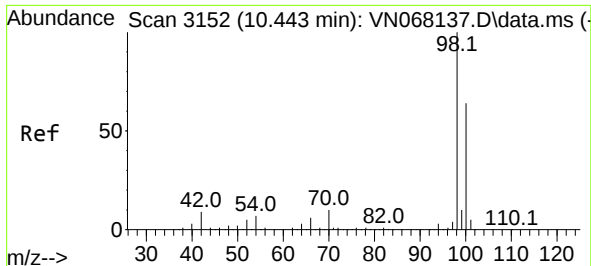


#43
Isopropyl Acetate
Concen: 2.670 ug/l
RT: 8.590 min Scan# 2461
Delta R.T. 0.024 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08



Tgt Ion: 43 Resp: 24495
Ion Ratio Lower Upper
43 100
61 1.3 19.0 28.4#
87 0.0 9.5 14.3#

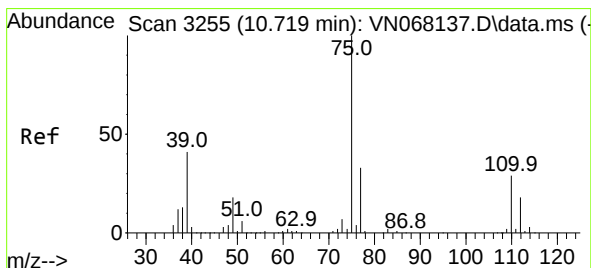
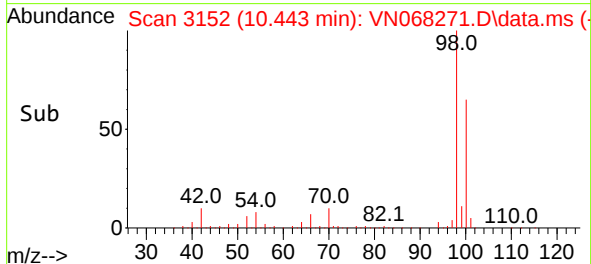
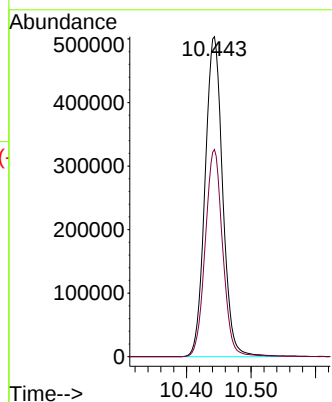
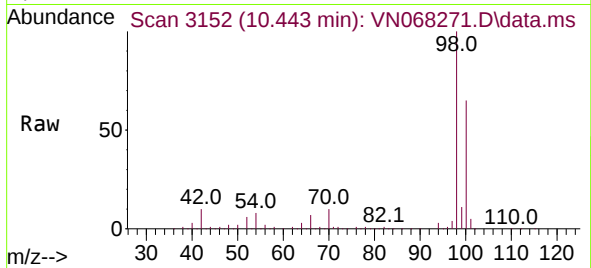




#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

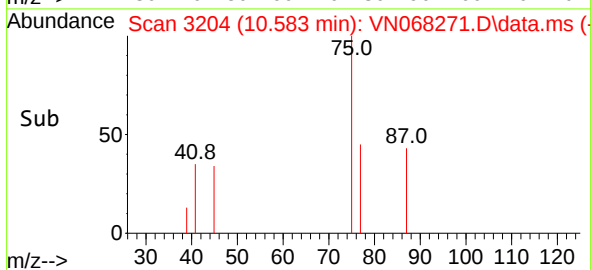
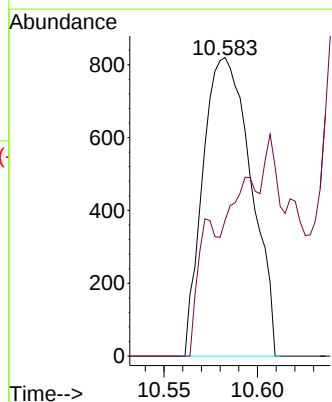
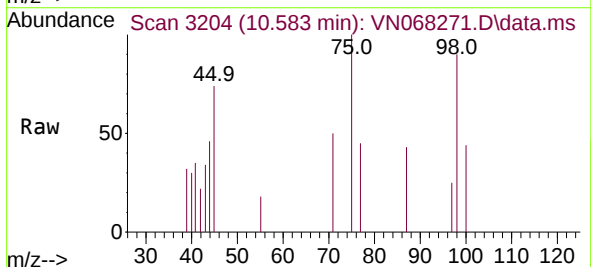
Instrument :
MSVOA_N
ClientSampled :

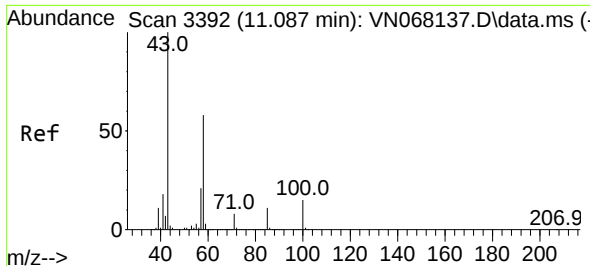
Tgt Ion: 98 Resp: 954642
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 0.204 ug/l
RT: 10.583 min Scan# 3204
Delta R.T. -0.136 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion: 75 Resp: 1466
Ion Ratio Lower Upper
75 100
77 45.4 25.1 37.7#

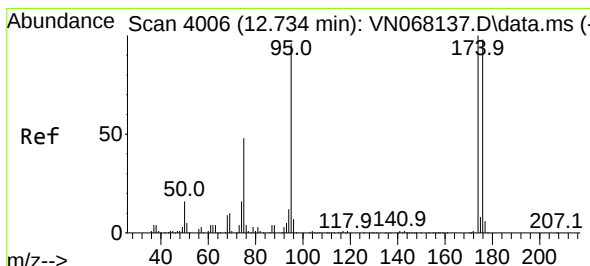
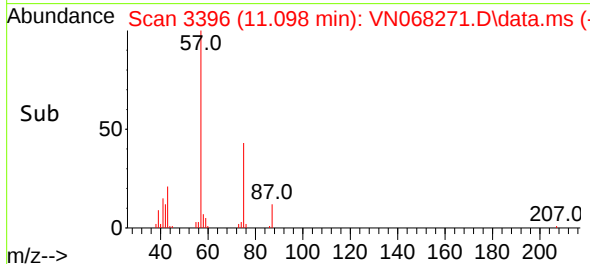
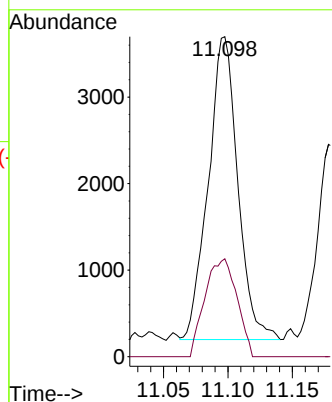
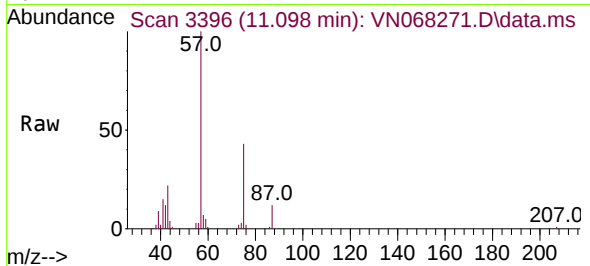




#59
2-Hexanone
Concen: 1.426 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

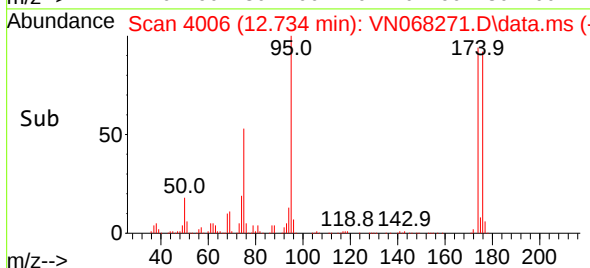
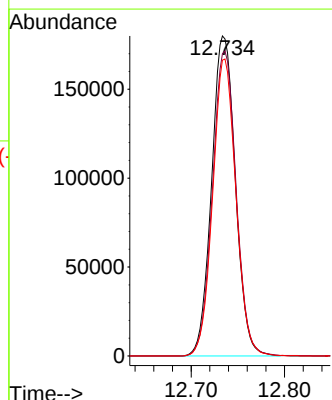
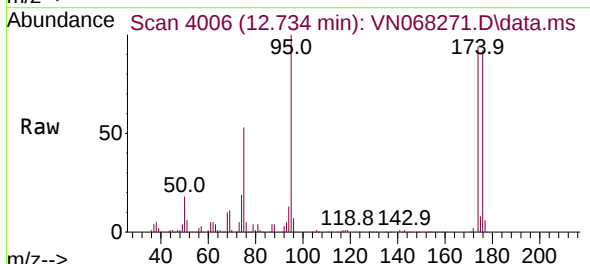
Instrument :
MSVOA_N
ClientSampled :

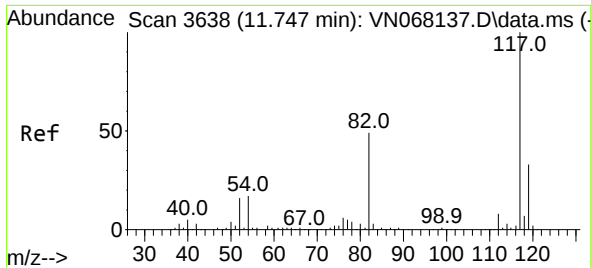
Tgt Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
58 34.8 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 48.590 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion: 95 Resp: 318265
Ion Ratio Lower Upper
95 100
174 95.2 0.0 122.0
176 90.9 0.0 117.6

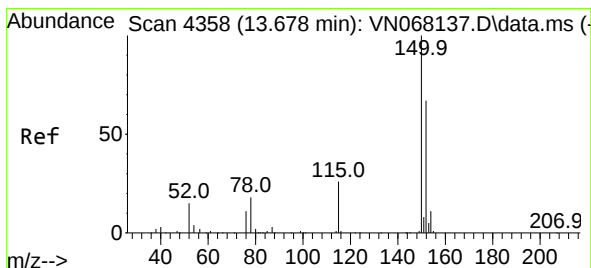
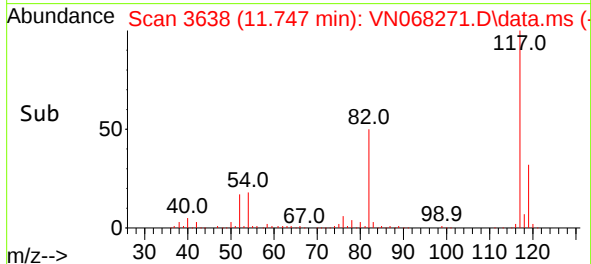
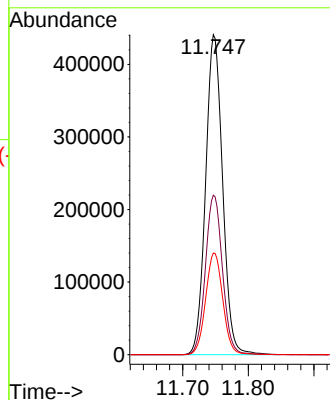
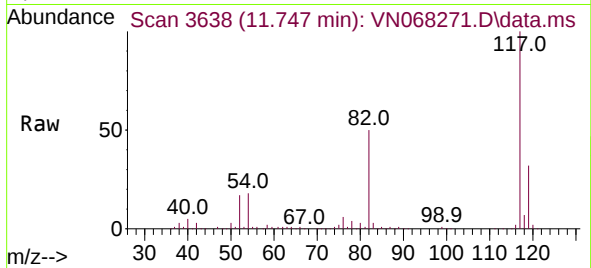




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

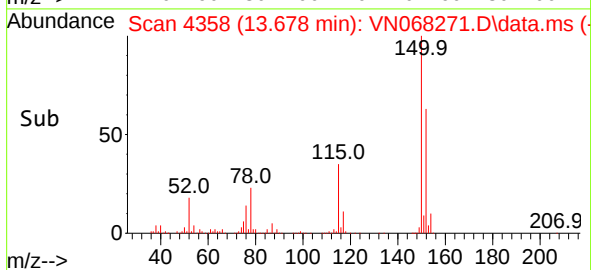
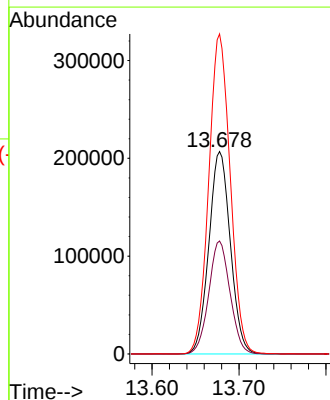
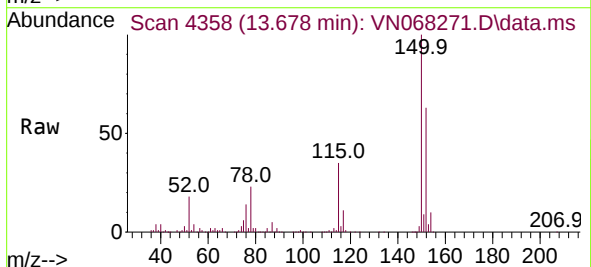
Instrument :
MSVOA_N
ClientSampleId :

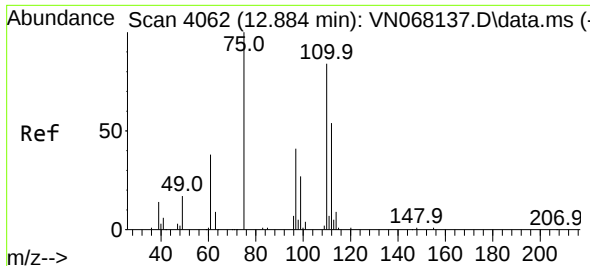
Tgt Ion:117 Resp: 792624
Ion Ratio Lower Upper
117 100
82 49.8 53.1 79.7#
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion:152 Resp: 355062
Ion Ratio Lower Upper
152 100
115 55.2 36.1 108.5
150 158.0 0.0 351.8

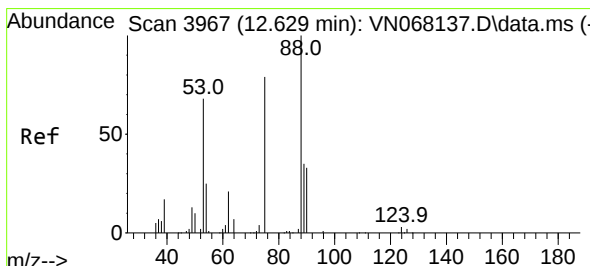
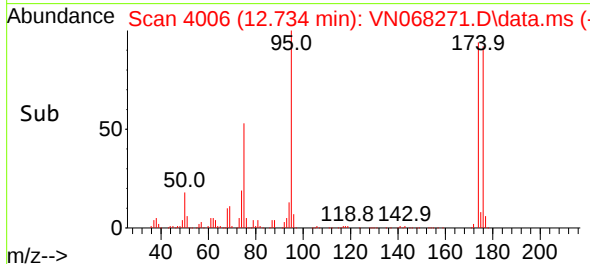
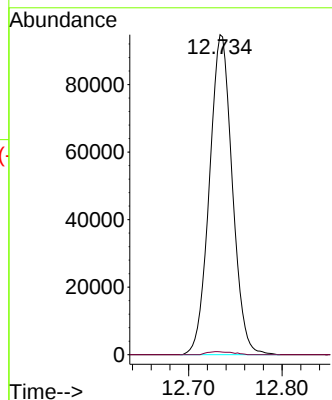
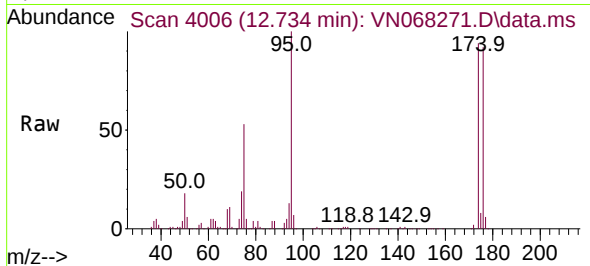




#76
1,2,3-Trichloropropane
Concen: 27.273 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

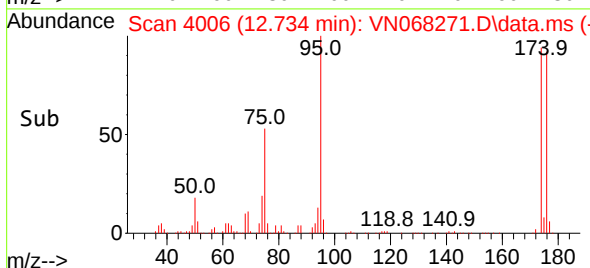
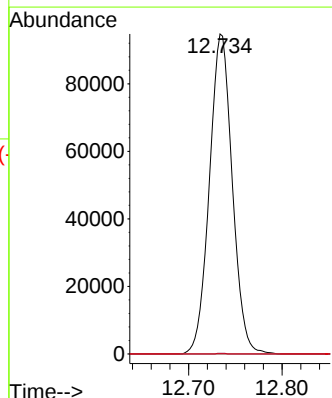
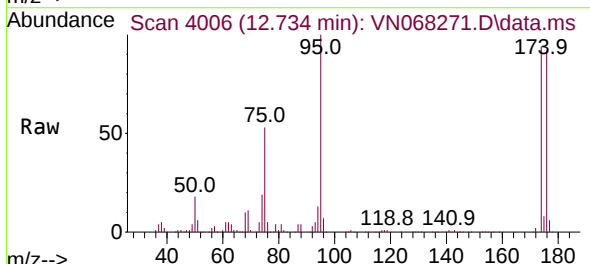
Instrument :
MSVOA_N
ClientSampled :

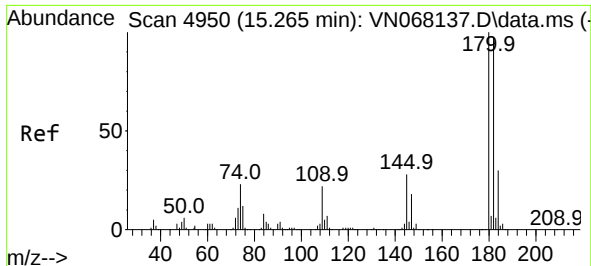
Tgt Ion: 75 Resp: 160949
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.349 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

Tgt Ion: 75 Resp: 160949
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

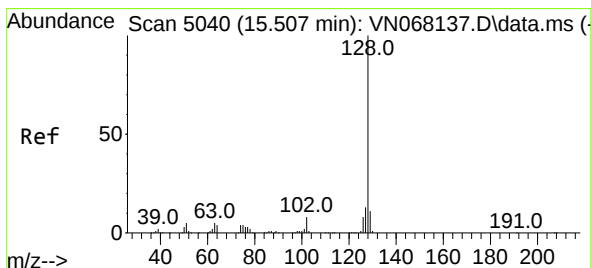
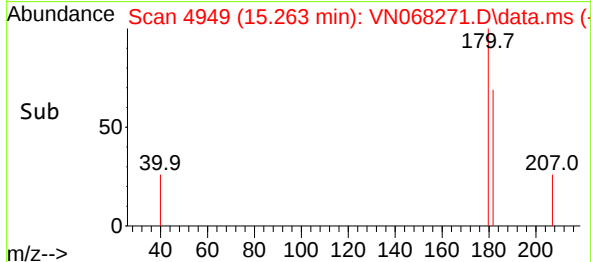
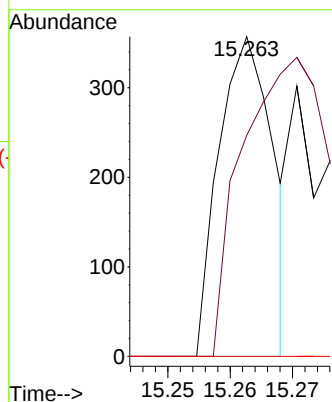
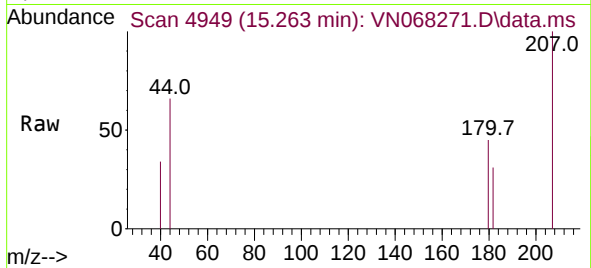




#93
1,2,4-Trichlorobenzene
Concen: 2.719 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

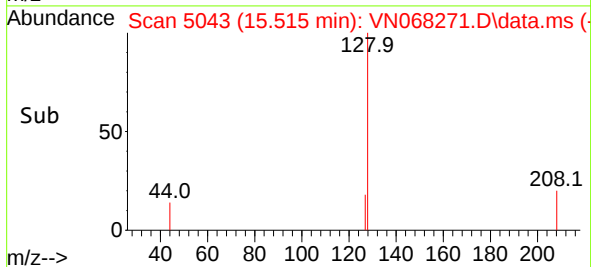
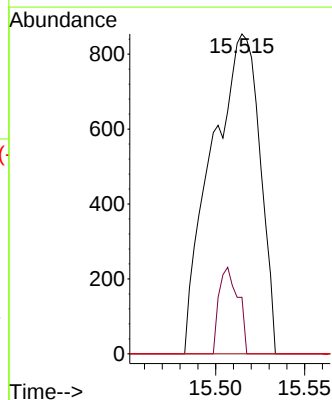
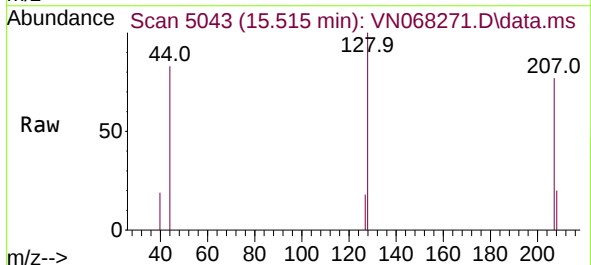
Instrument :
MSVOA_N
ClientSampleId :

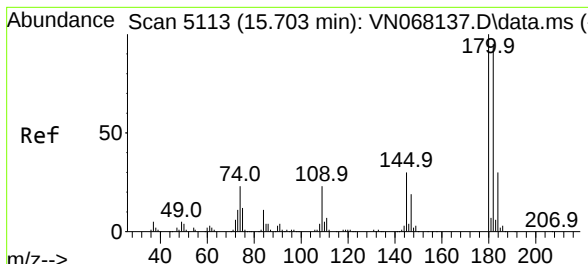
Tgt Ion:180 Resp: 215
Ion Ratio Lower Upper
180 100
182 166.5 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.452 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068271.D
Acq: 23 Aug 2021 16:08

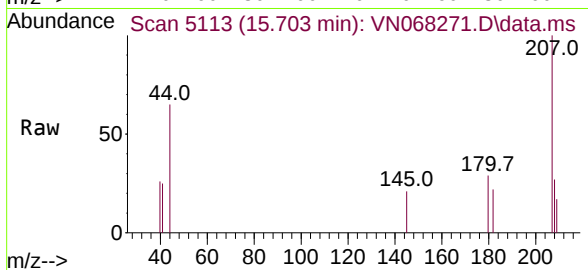
Tgt Ion:128 Resp: 1608
Ion Ratio Lower Upper
128 100
127 10.8 10.6 15.8
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.878 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. -0.000 min
 Lab File: VN068271.D
 Acq: 23 Aug 2021 16:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 277

Ion	Ratio	Lower	Upper
180	100		
182	114.1	47.8	143.3
145	51.6	18.2	54.6

