

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111423\
 Data File : VD077556.D
 Acq On : 14 Nov 2023 11:10
 Operator : JC/SY
 Sample : 05296-05
 Misc : 4.56G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BH3R6

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 16 02:27:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 02:07:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	472006	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	386937	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	132734	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	195048	16.244	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	64.960%		
7) Chloroethane-d5	2.811	69	164472	17.437	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	69.760%		
11) 1,1-Dichloroethene-d2	3.922	65	64120	17.270	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	69.080%		
21) 2-Butanone-d5	6.993	46	59212	28.483	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	56.960%		
24) Chloroform-d	7.569	84	242947	17.818	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	71.280%		
26) 1,2-Dichloroethane-d4	8.234	65	126988m	17.509	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	70.040%		
32) Benzene-d6	8.204	84	517504	20.607	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	82.440%		
36) 1,2-Dichloropropane-d6	9.210	67	166874	20.400	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	81.600%		
41) Toluene-d8	10.269	98	451843	19.911	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	79.640%		
43) trans-1,3-Dichloroprop...	10.528	79	62076	17.600	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	70.400%		
47) 2-Hexanone-d5	10.875	63	43974	30.050	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	60.100%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	83207	15.352	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	61.400%		
66) 1,2-Dichlorobenzene-d4	13.816	152	89188	18.888	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	75.560%		
Target Compounds						
16) Methylene chloride	4.805	84	14771	1.853	ug/L	94
34) Trichloroethene	9.028	95	3463	0.521	ug/L #	84
46) Tetrachloroethene	10.810	164	153338	31.344	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	2077	0.411	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.528	180	3991	0.926	ug/L	89

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

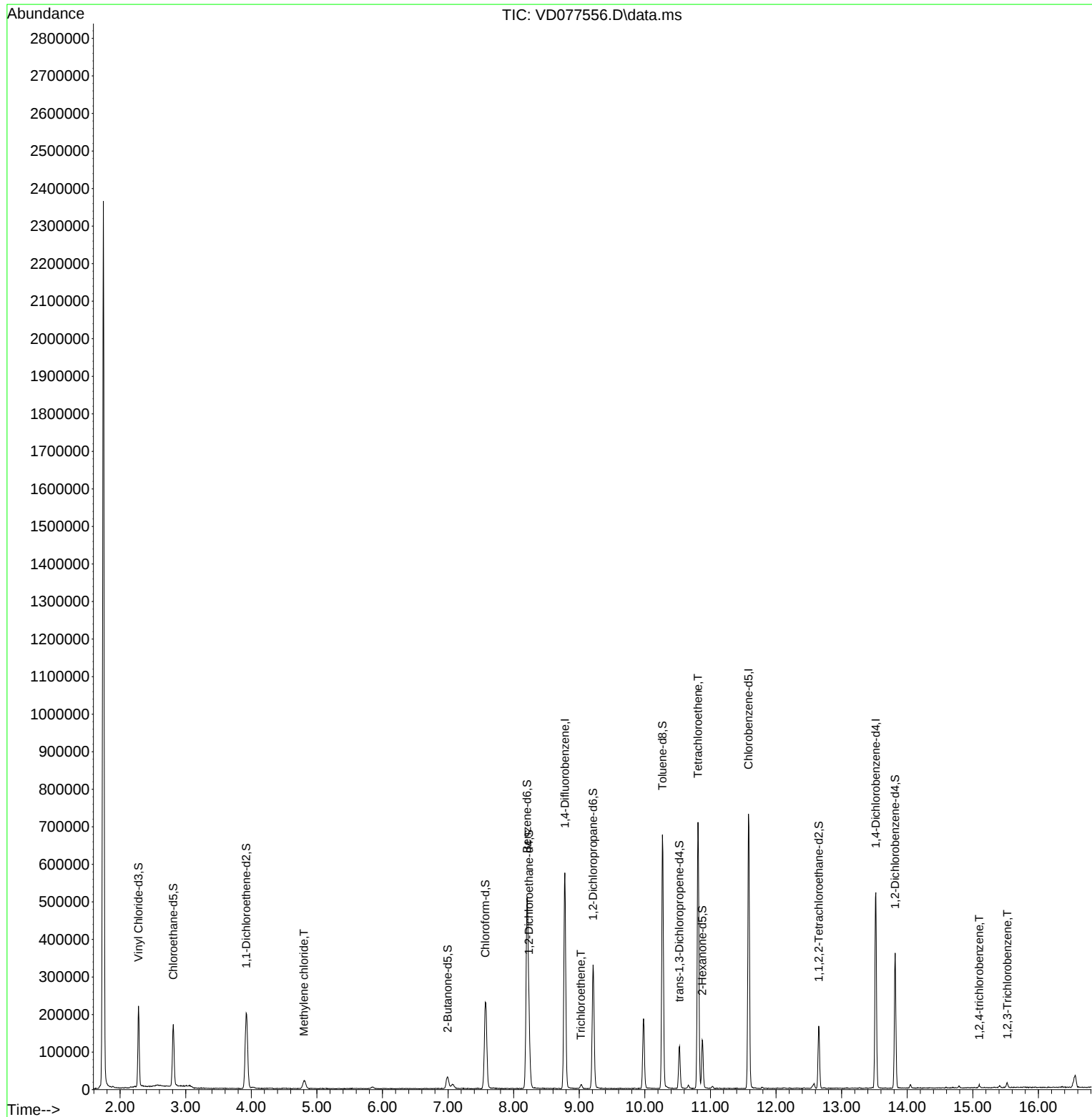
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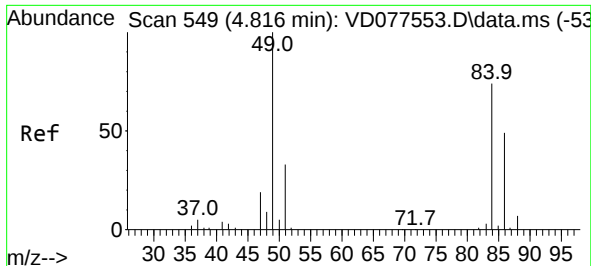
Instrument :
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ClientSampleId :
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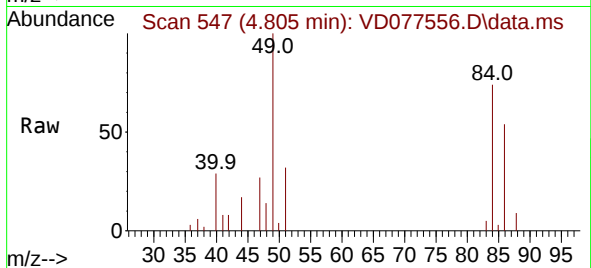
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Quant Title : SFAM01.0
QLast Update : Fri Nov 10 02:07:44 2023
Response via : Initial Calibration





#16
Methylene chloride
Concen: 1.853 ug/L
RT: 4.805 min Scan# 549
Delta R.T. -0.000 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10

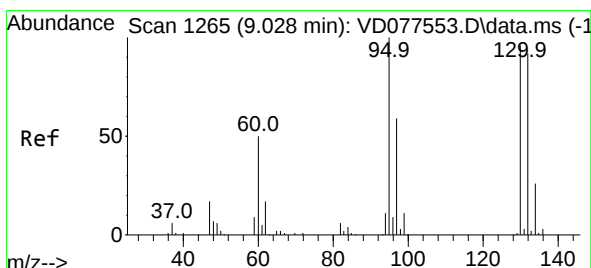
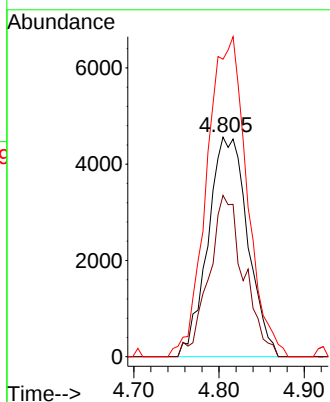
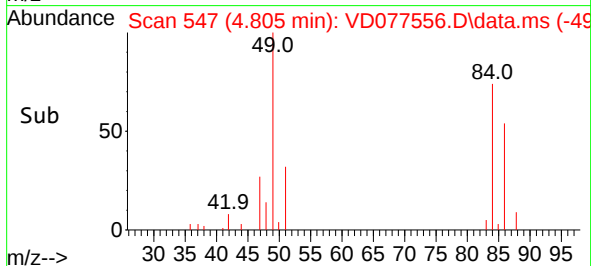
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Tgt Ion: 84 Resp: 1477
Ion Ratio Lower Upper
84 100
86 73.5 46.5 86.5
49 135.6 98.3 182.7

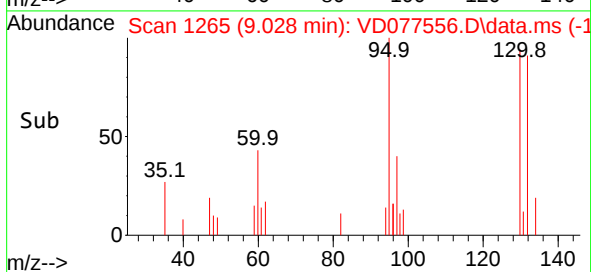
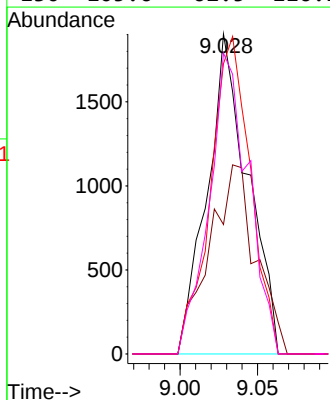
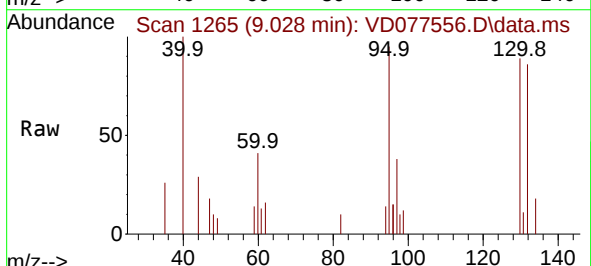
Manual Integrations
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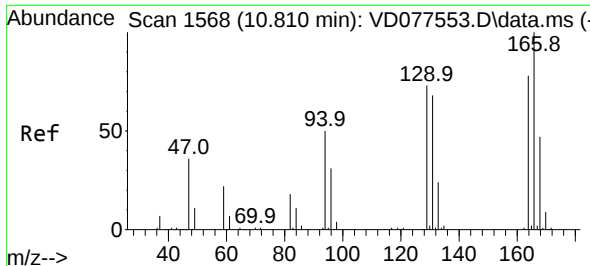
Reviewed By :Mahesh Dadoda 11/17/2023
Supervised By :Semsettin Yesilyurt 11/17/2023



#34
Trichloroethene
Concen: 0.521 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10

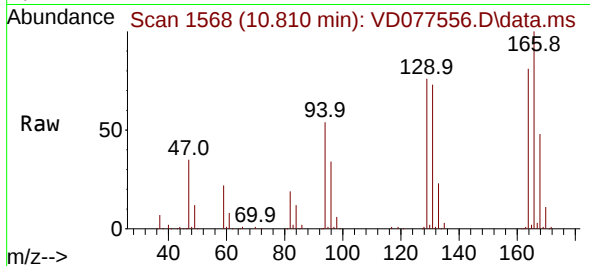
Tgt Ion: 95 Resp: 3463
Ion Ratio Lower Upper
95 100
97 40.4 42.4 78.6#
132 90.7 59.4 110.2
130 105.6 62.5 116.1





#46
Tetrachloroethene
Concen: 31.344 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
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Acq: 14 Nov 2023 11:10

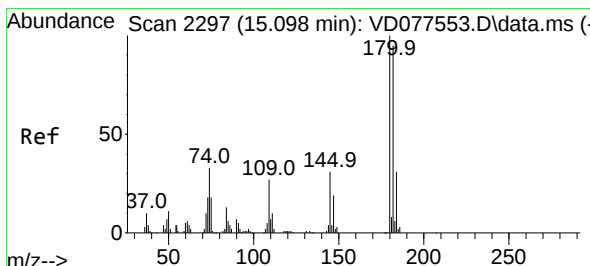
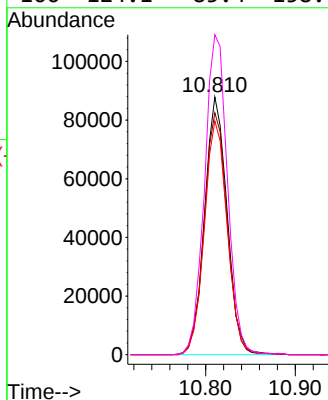
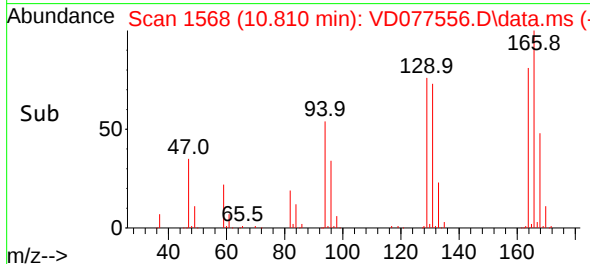
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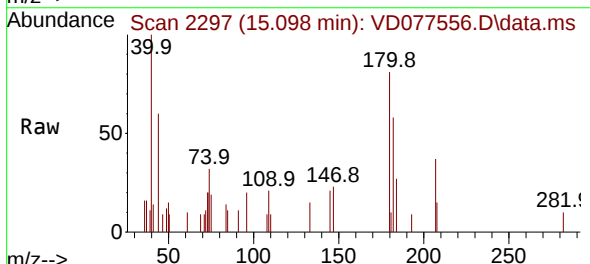
Tgt Ion:164 Resp: 153338
Ion Ratio Lower Upper
164 100
129 93.9 60.6 112.6
131 90.7 61.6 114.4
166 124.1 85.4 158.6

Manual Integrations
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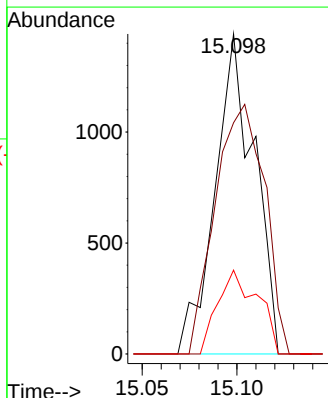
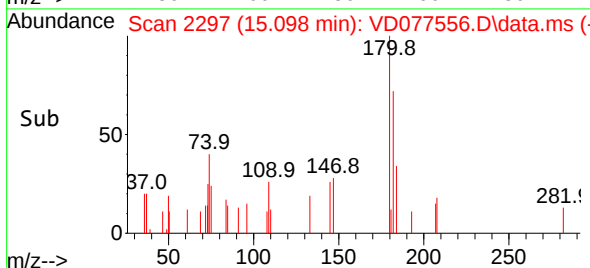
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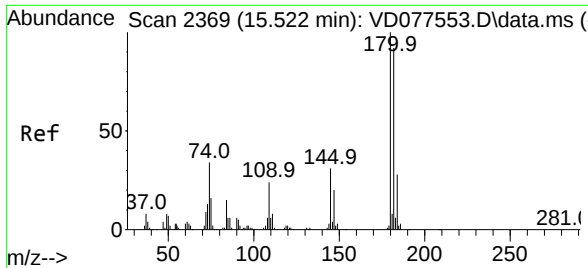


#70
1,2,4-trichlorobenzene
Concen: 0.411 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10



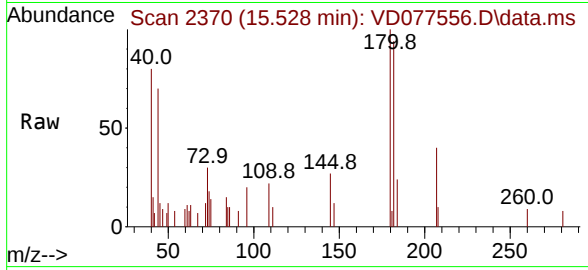
Tgt Ion:180 Resp: 2077
Ion Ratio Lower Upper
180 100
182 98.4 75.8 113.6
145 18.2 24.1 36.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.926 ug/L
 RT: 15.528 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD077556.D
 Acq: 14 Nov 2023 11:10

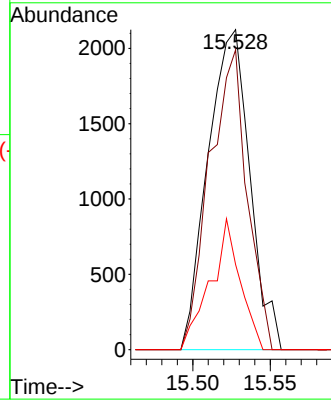
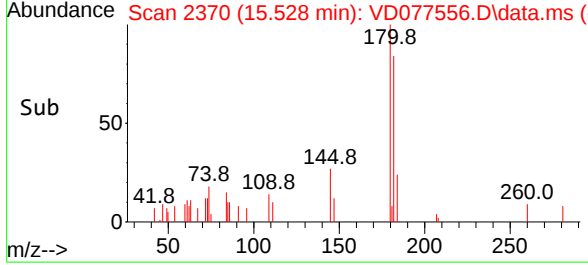
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Tgt Ion:180 Resp: 399
 Ion Ratio Lower Upper
 180 100
 182 83.8 76.8 115.2
 145 29.0 26.0 39.0

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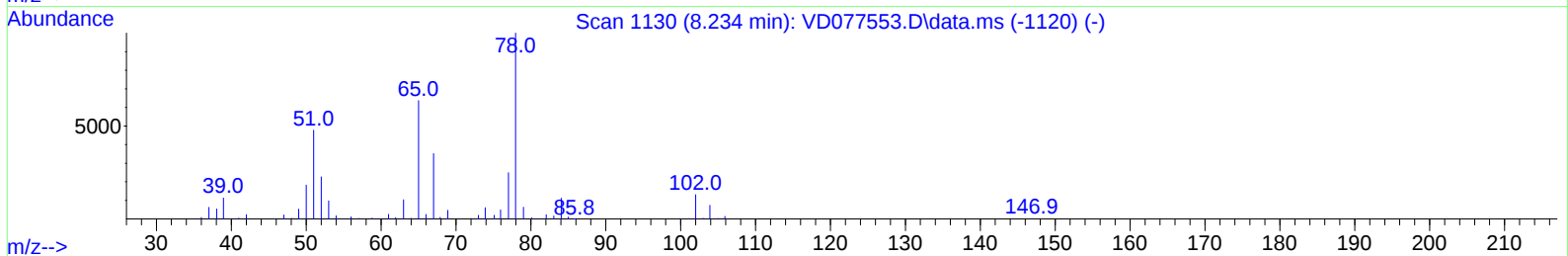
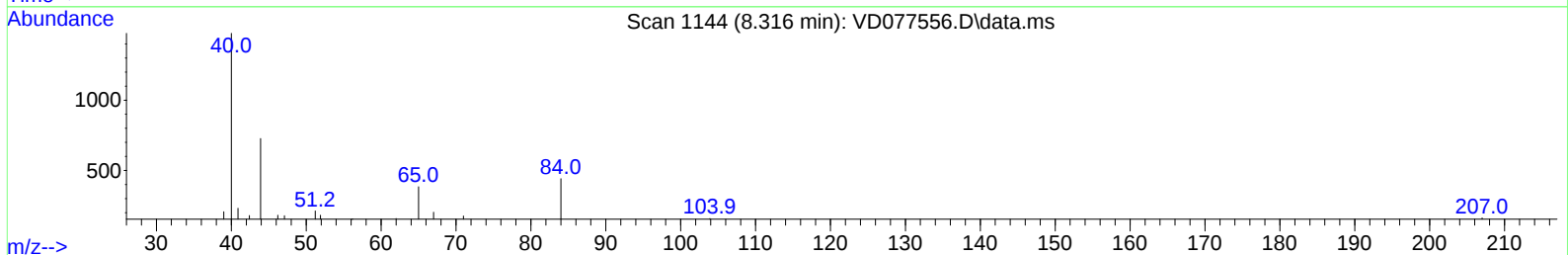
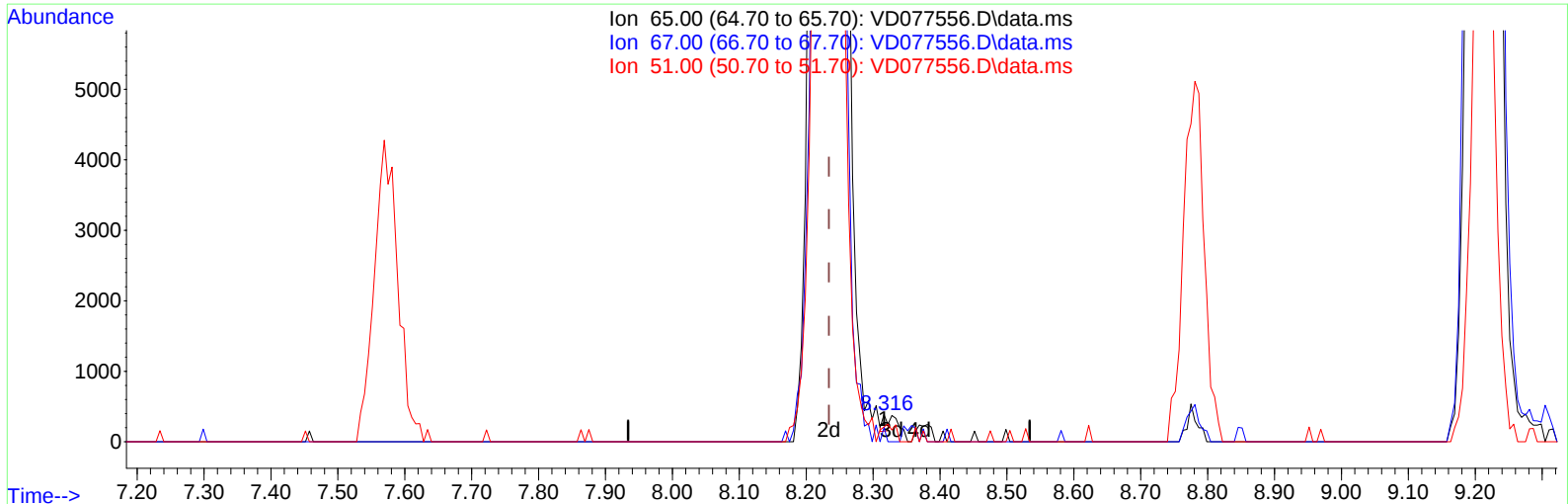
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TIC: VD077556.D\data.ms

(26) 1,2-Dichloroethane-d4 (S)

8.316min (+ 0.082) 0.02 ug/L

response 116

Ion	Exp%	Act%
65.00	100.00	100.00
67.00	55.80	72.41
51.00	121.30	105.17
0.00	0.00	0.00

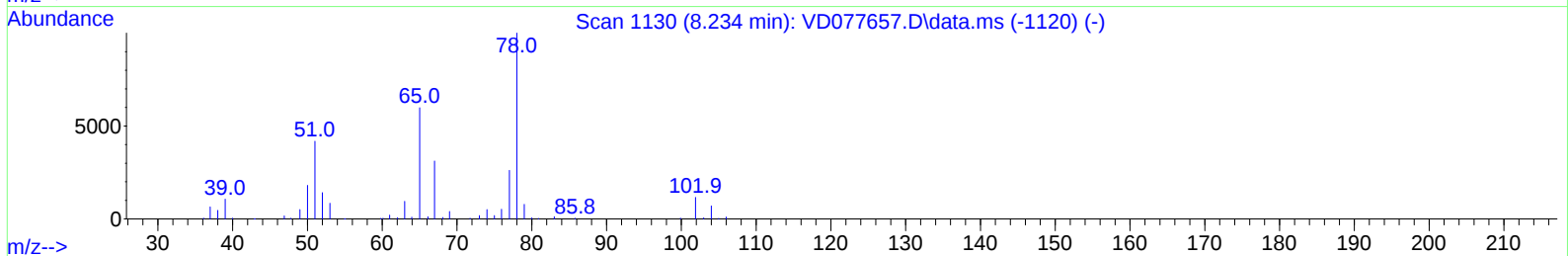
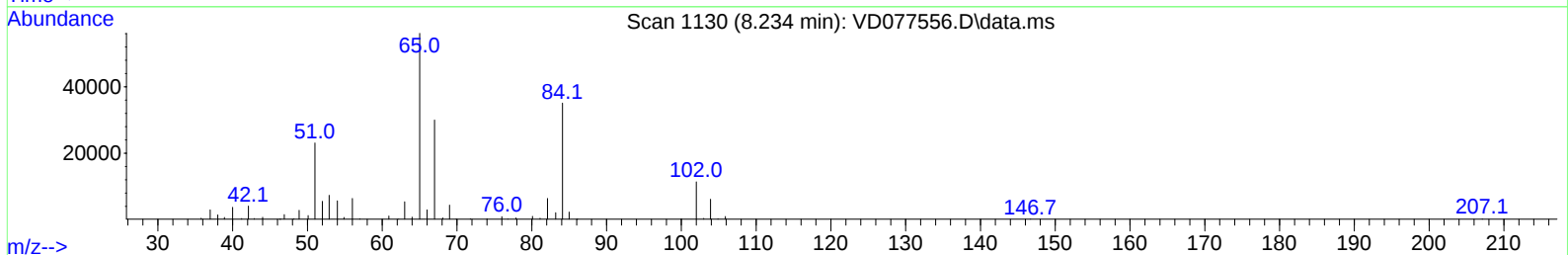
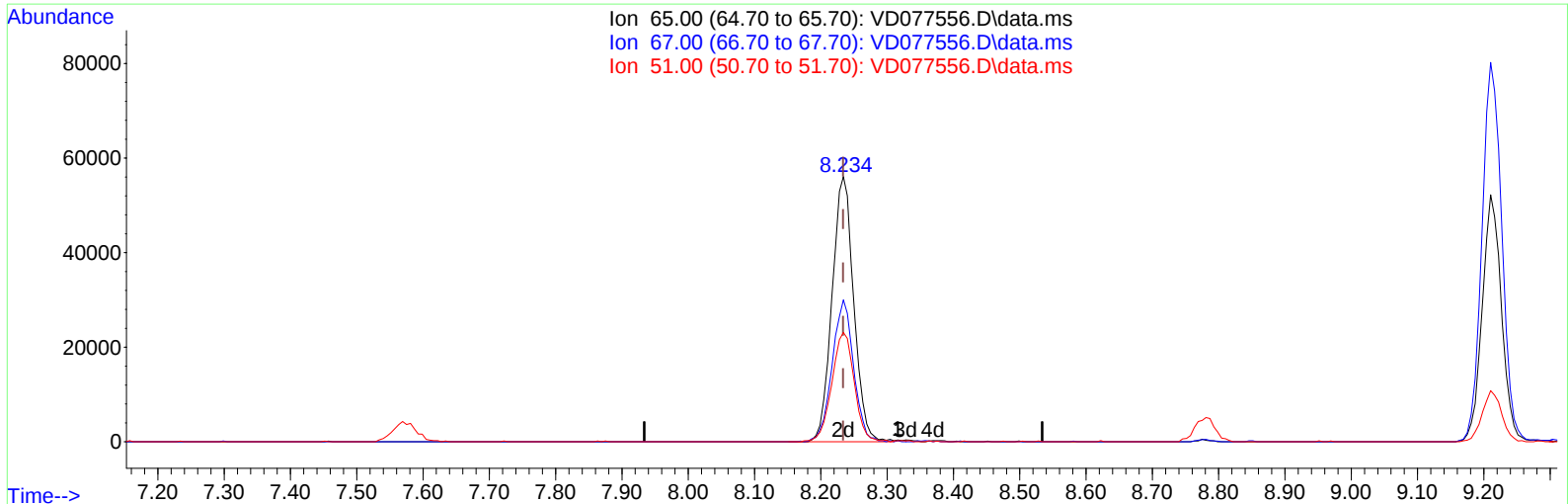
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TIC: VD077556.D\data.ms

(26) 1,2-Dichloroethane-d4 (S)

8.234min (-0.000) 17.51 ug/L m

response 126988

Ion	Exp%	Act%
65.00	100.00	100.00
67.00	55.80	0.07#
51.00	121.30	0.10#
0.00	0.00	0.00

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