

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077777.D
 Acq On : 07 Dec 2023 15:45
 Operator : JC/SY
 Sample : VIBLK132
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK132

Quant Time: Dec 08 00:33:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

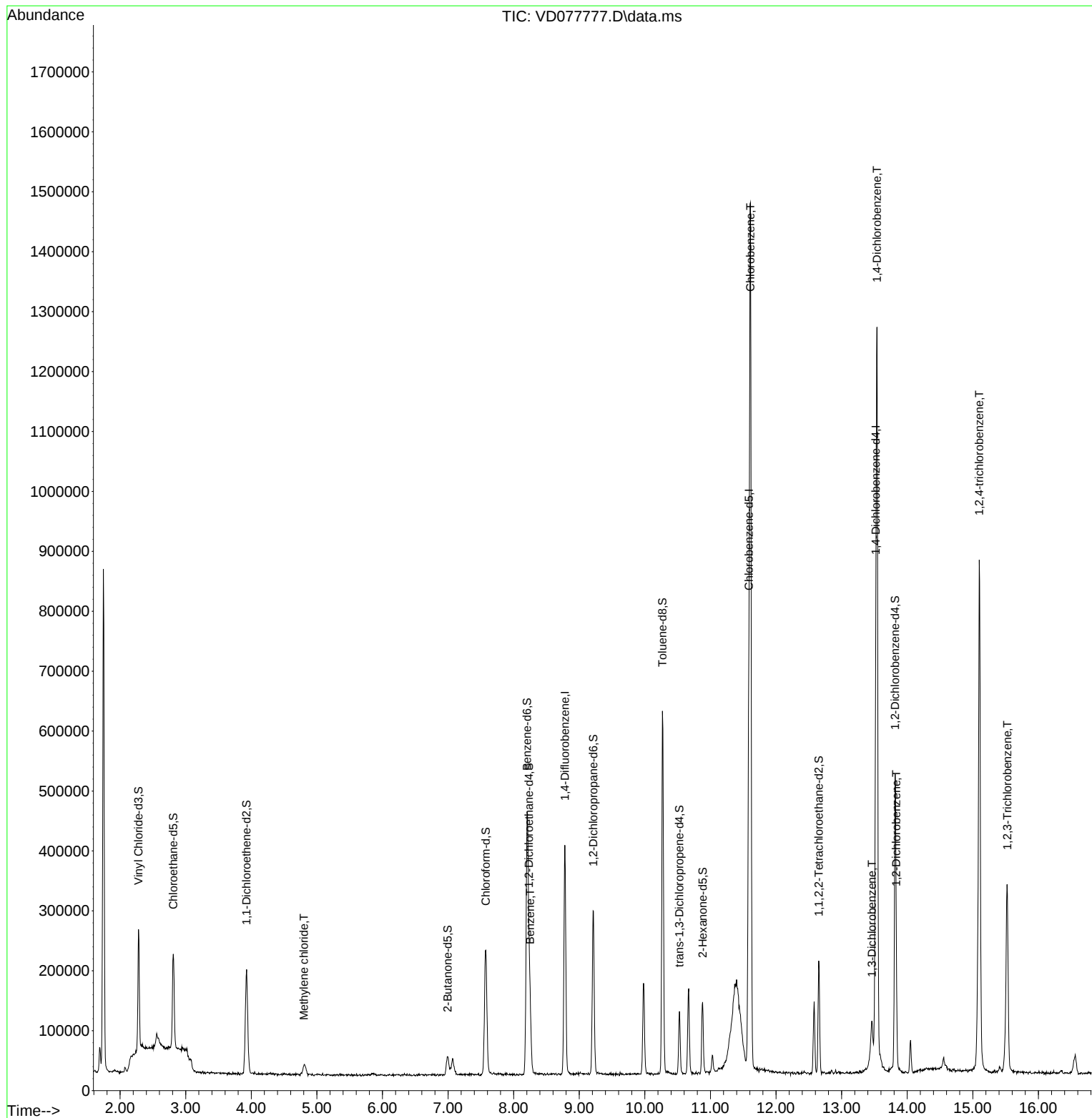
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	339235	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	318082	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	145639	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	189027	20.433	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.720%
7) Chloroethane-d5	2.811	69	166126	22.529	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.120%
11) 1,1-Dichloroethene-d2	3.928	65	49551	20.658	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.640%
21) 2-Butanone-d5	6.993	46	54248	46.397	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.800%
24) Chloroform-d	7.575	84	222079	24.290	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.160%
26) 1,2-Dichloroethane-d4	8.234	65	110976	23.956	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.840%
32) Benzene-d6	8.204	84	456963	23.854	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	9.216	67	136973	23.434	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.720%
41) Toluene-d8	10.269	98	416687	23.631	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.520%
43) trans-1,3-Dichloroprop...	10.528	79	56113	21.709	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.840%
47) 2-Hexanone-d5	10.881	63	43660	43.347	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.700%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	92638	21.932	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	121031	23.230	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.920%
Target Compounds						Qvalue
16) Methylene chloride	4.805	84	13361	2.218	ug/L	82
33) Benzene	8.252	78	64516	3.116	ug/L	100
51) Chlorobenzene	11.610	112	803392	58.919	ug/L	97
64) 1,3-Dichlorobenzene	13.463	146	61783	6.572	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	467121	47.885	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	38721	4.577	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	359208	66.098	ug/L	97
72) 1,2,3-Trichlorobenzene	15.528	180	142637	29.940	ug/L	94

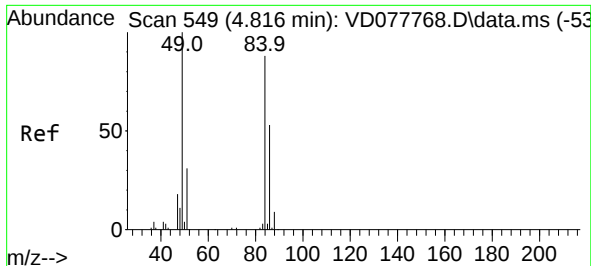
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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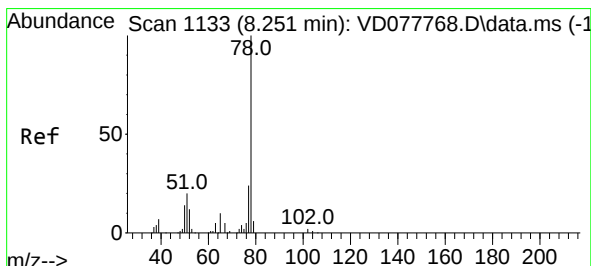
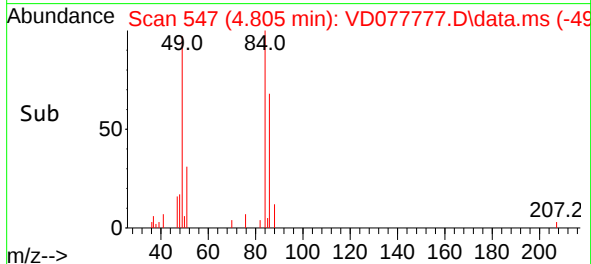
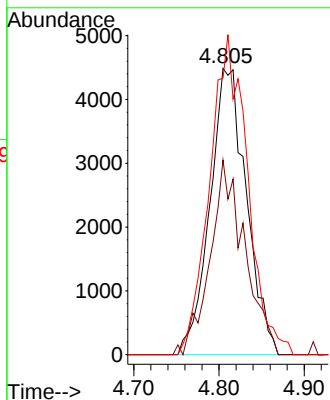
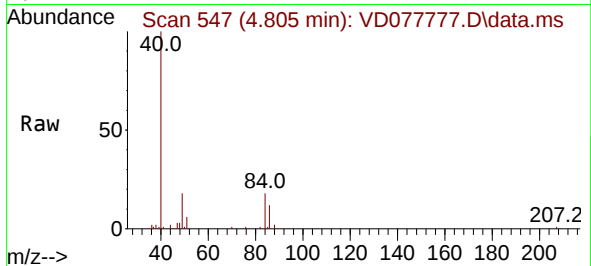




#16
Methylene chloride
Concen: 2.218 ug/L
RT: 4.805 min Scan# 549
Delta R.T. -0.006 min
Lab File: VD077777.D
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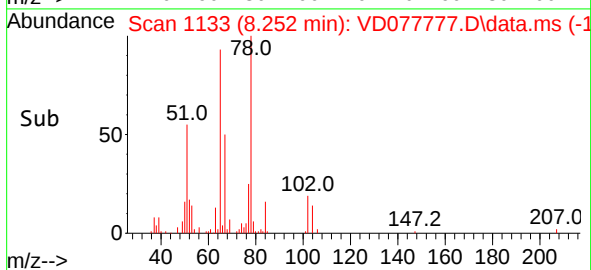
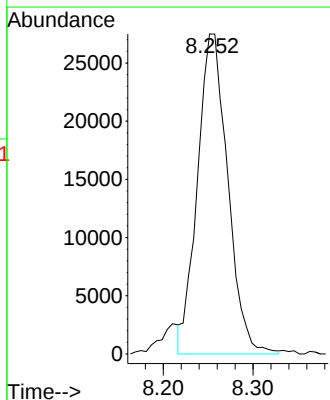
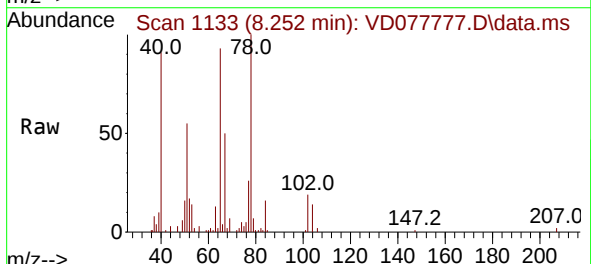
Instrument :
MSVOA_D
ClientSampleId :
VIBLK132

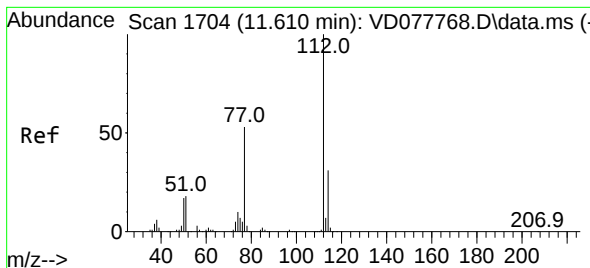
Tgt Ion: 84 Resp: 13361
Ion Ratio Lower Upper
84 100
86 68.0 40.1 74.5
49 96.6 83.2 154.6



#33
Benzene
Concen: 3.116 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077777.D
Acq: 07 Dec 2023 15:45

Tgt Ion: 78 Resp: 64516

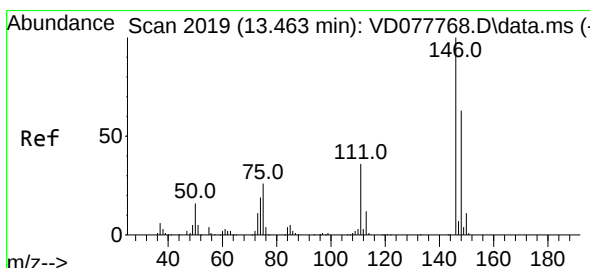
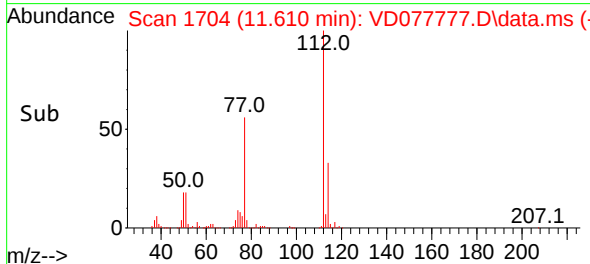
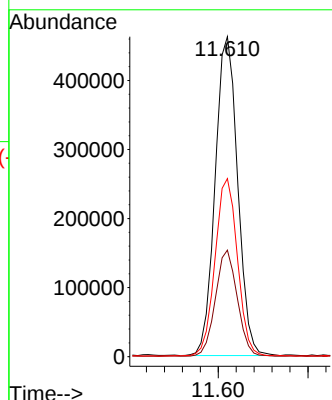
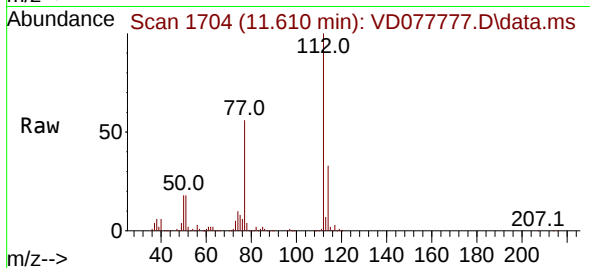




#51
Chlorobenzene
Concen: 58.919 ug/L
RT: 11.610 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077777.D
Acq: 07 Dec 2023 15:45

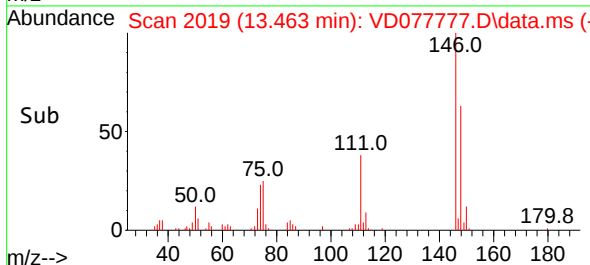
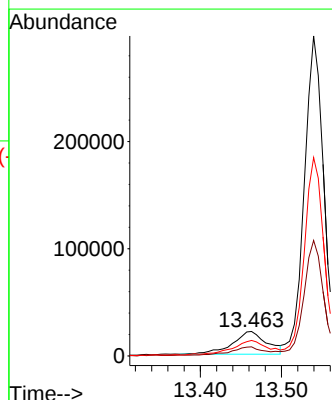
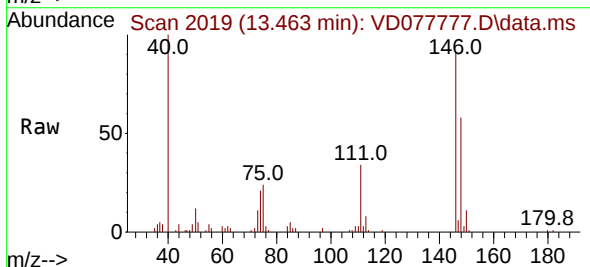
Instrument :
MSVOA_D
ClientSampleId :
VIBLK132

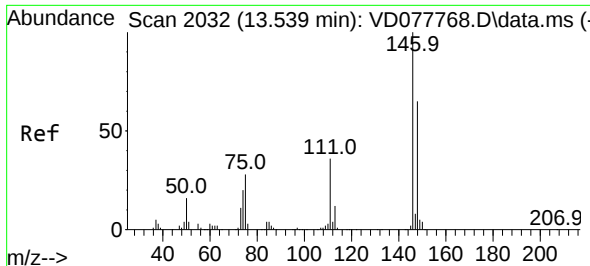
Tgt Ion:112 Resp: 803392
Ion Ratio Lower Upper
112 100
114 33.3 22.5 41.9
77 55.6 46.4 69.6



#64
1,3-Dichlorobenzene
Concen: 6.572 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD077777.D
Acq: 07 Dec 2023 15:45

Tgt Ion:146 Resp: 61783
Ion Ratio Lower Upper
146 100
111 37.5 26.6 49.4
148 63.8 44.0 81.6

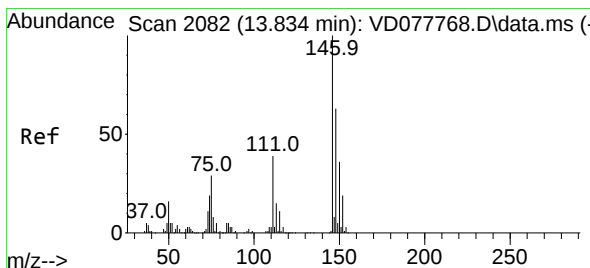
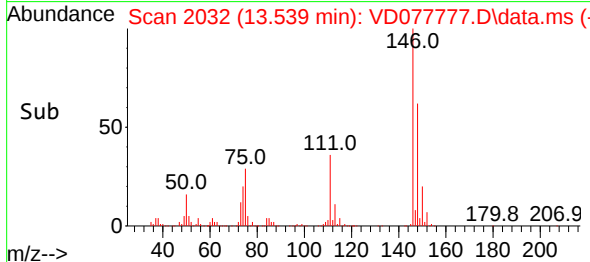
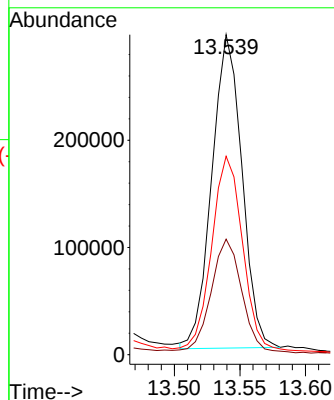
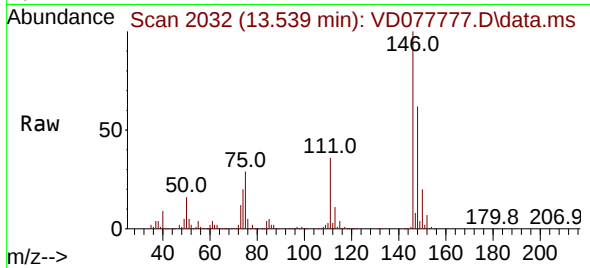




#65
1,4-Dichlorobenzene
Concen: 47.885 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077777.D
Acq: 07 Dec 2023 15:45

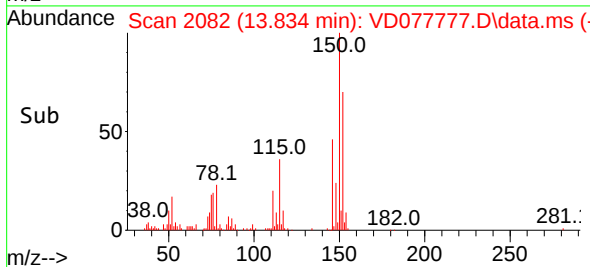
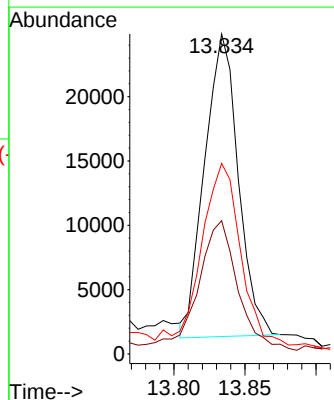
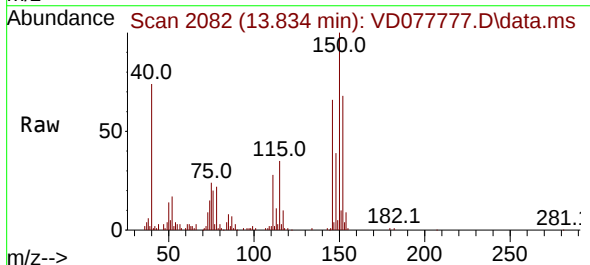
Instrument :
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VIBLK132

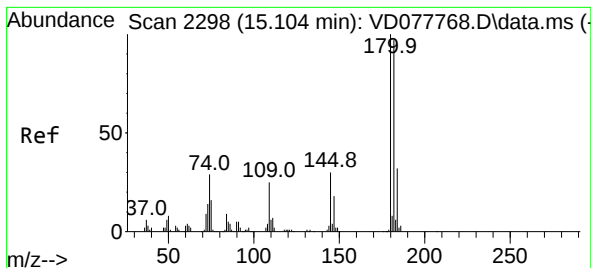
Tgt Ion:146 Resp: 467121
Ion Ratio Lower Upper
146 100
111 36.1 26.4 49.0
148 62.0 44.0 81.8



#67
1,2-Dichlorobenzene
Concen: 4.577 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077777.D
Acq: 07 Dec 2023 15:45

Tgt Ion:146 Resp: 38721
Ion Ratio Lower Upper
146 100
111 41.6 31.4 47.2
148 59.5 50.2 75.2





#70

1,2,4-trichlorobenzene

Concen: 66.098 ug/L

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077777.D

Acq: 07 Dec 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

VIBLK132

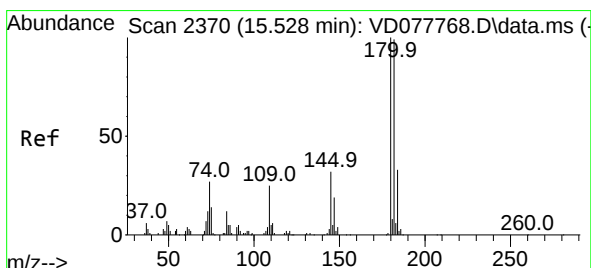
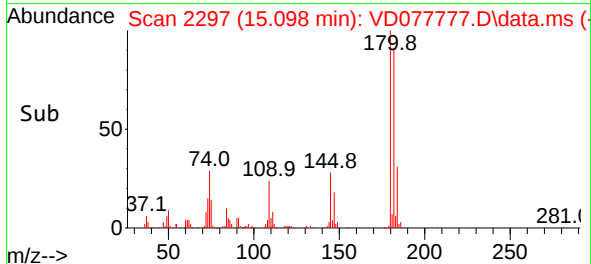
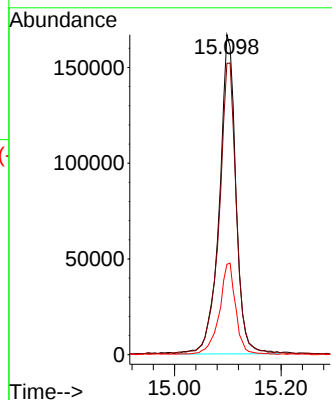
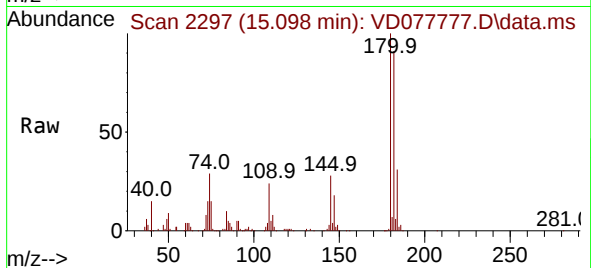
Tgt Ion:180 Resp: 359208

Ion Ratio Lower Upper

180 100

182 93.7 77.0 115.6

145 28.5 23.9 35.9



#72

1,2,3-Trichlorobenzene

Concen: 29.940 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. -0.000 min

Lab File: VD077777.D

Acq: 07 Dec 2023 15:45

Tgt Ion:180 Resp: 142637

Ion Ratio Lower Upper

180 100

182 89.3 77.3 115.9

145 30.0 25.2 37.8

