

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/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

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)

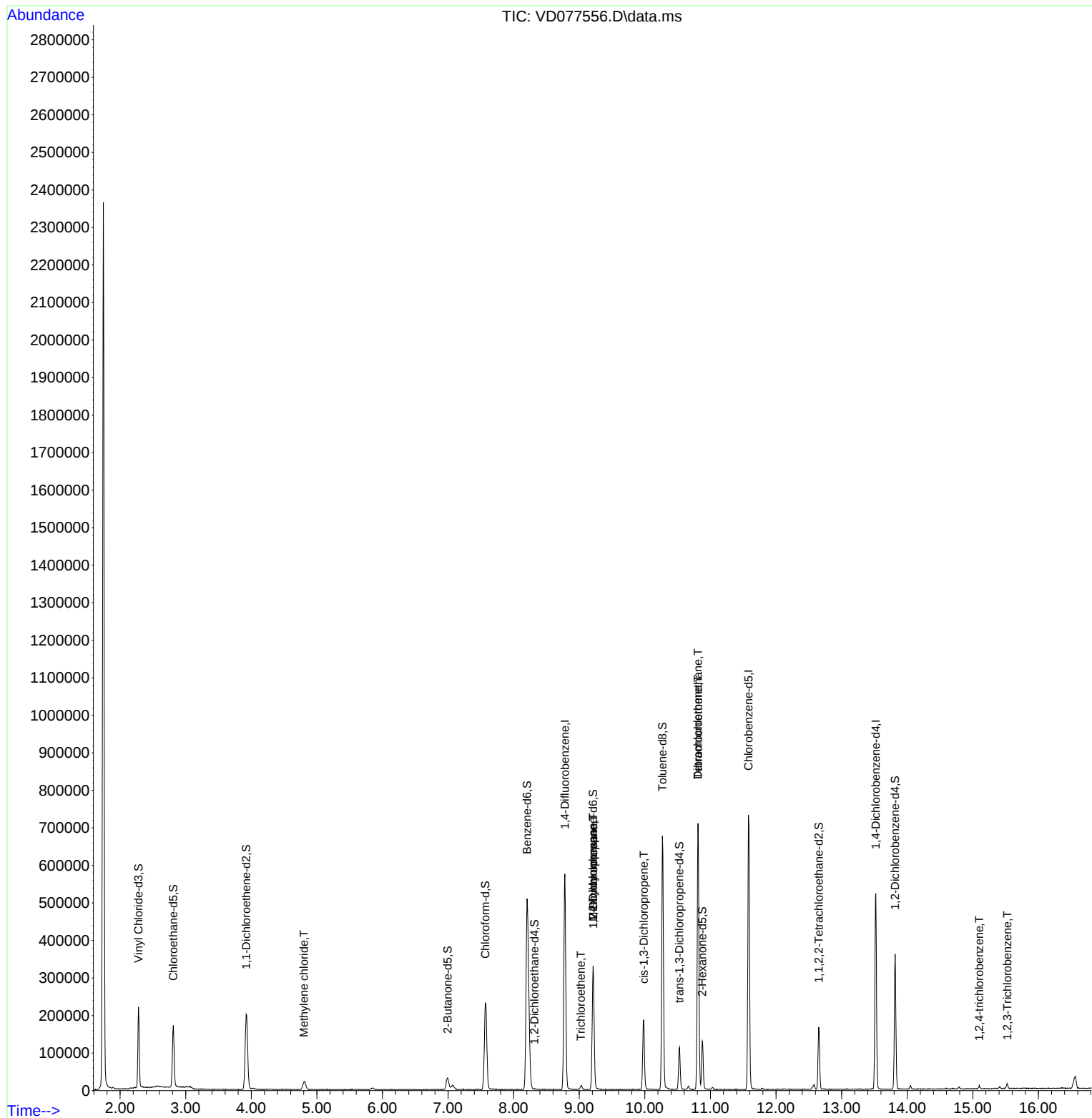
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	472006	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	386937	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	132734	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	195048	16.244	ug/L	0.00
Spiked Amount	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	8.316	65	116	0.016	ug/L	0.08
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.080%#
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						Qvalue
16) Methylene chloride	4.805	84	14771	1.853	ug/L	94
34) Trichloroethene	9.028	95	3463	0.521	ug/L #	84
35) Methylcyclohexane	9.210	83	34465	2.872	ug/L #	17
37) 1,2-Dichloropropane	9.216	63	18657	2.501	ug/L #	88
39) cis-1,3-Dichloropropene	9.987	75	5388	0.470	ug/L	85
46) Tetrachloroethene	10.810	164	153338	31.344	ug/L	96
49) Dibromochloromethane	10.810	129	139401	26.914	ug/L #	11
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

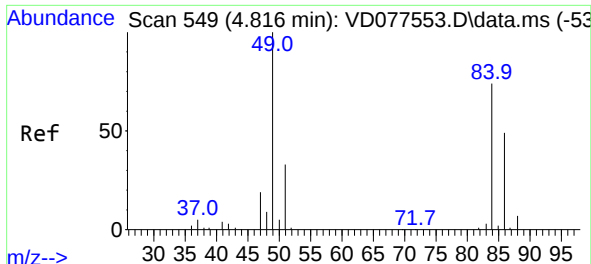
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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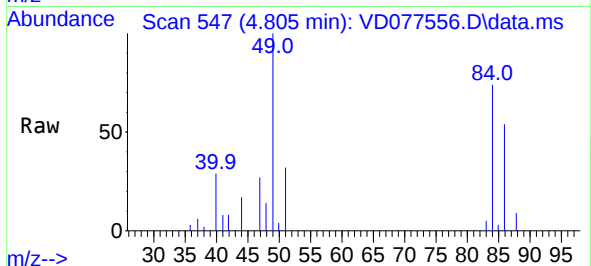
Quant Time: Nov 16 02:27:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Nov 10 02:07:44 2023
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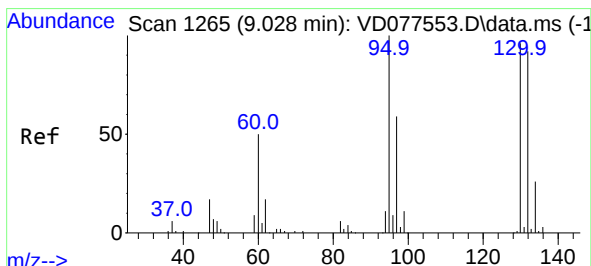
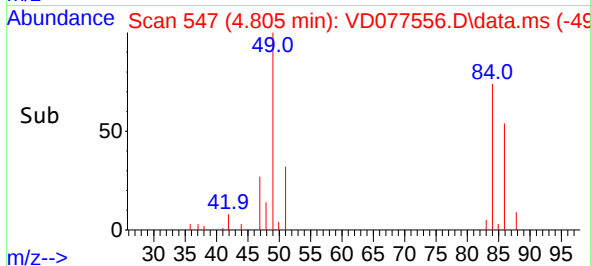
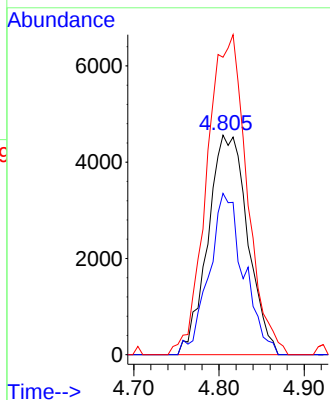
#16
Methylene chloride
Concen: 1.853 ug/L
RT: 4.805 min Scan# 549
Delta R.T. -0.000 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 14771

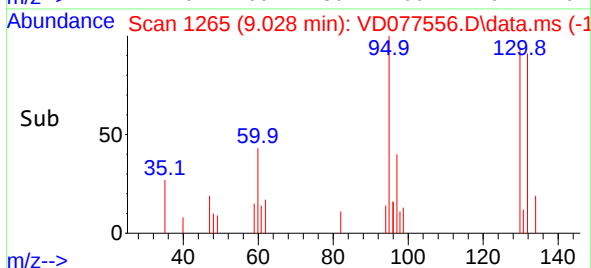
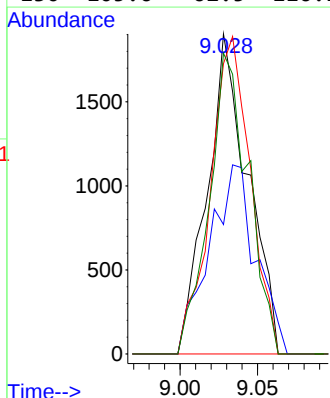
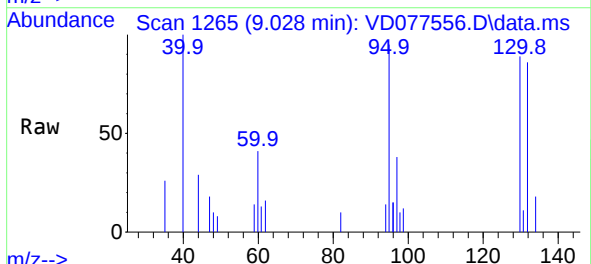
Ion	Ratio	Lower	Upper
84	100		
86	73.5	46.5	86.5
49	135.6	98.3	182.7

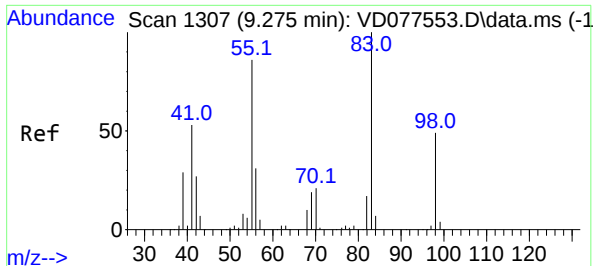


#34
Trichloroethene
Concen: 0.521 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10

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

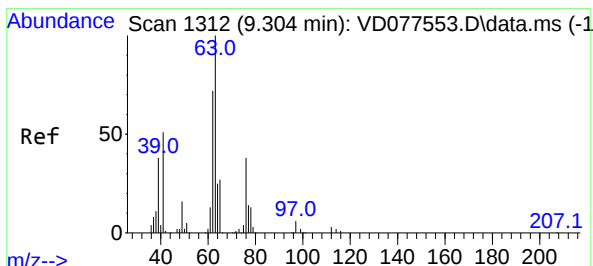
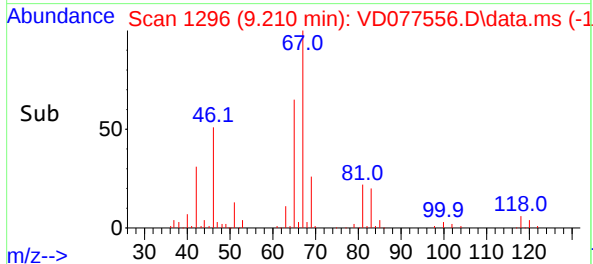
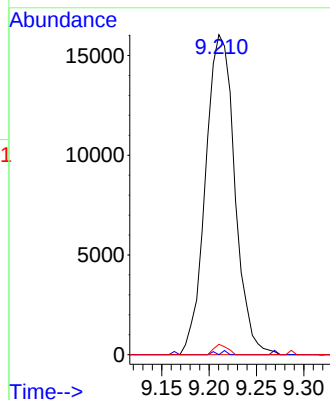
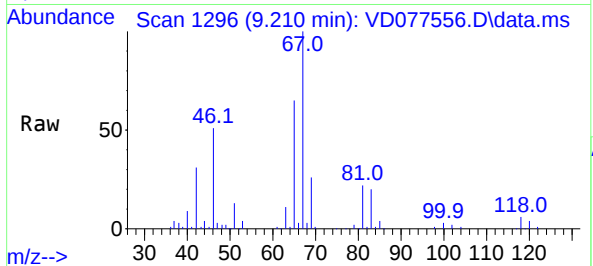




#35
Methylcyclohexane
Concen: 2.872 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.065 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10

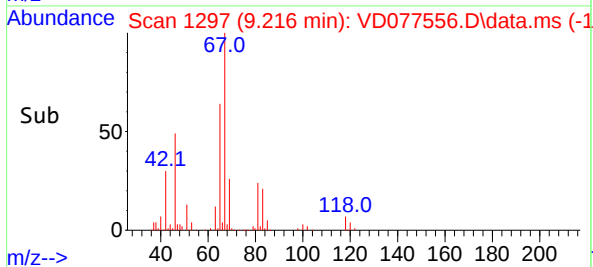
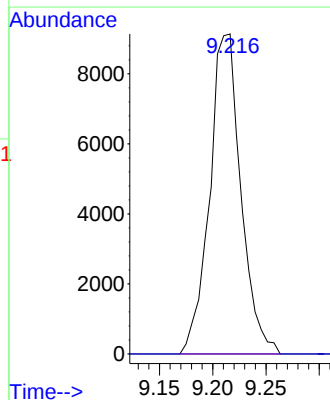
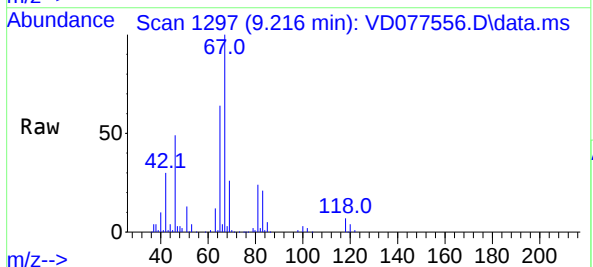
Instrument :
MSVOA_D
ClientSampleId :

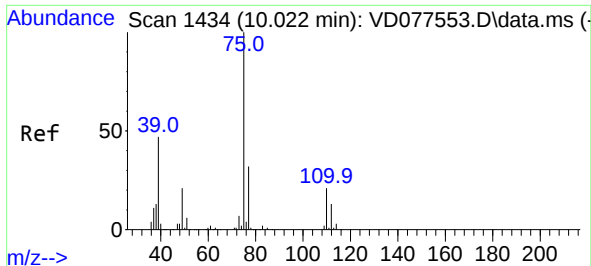
Tgt Ion:	83	Resp:	34465
Ion Ratio	Lower	Upper	
83	100		
55	0.2	66.5	99.7#
98	1.5	37.4	56.2#



#37
1,2-Dichloropropane
Concen: 2.501 ug/L
RT: 9.216 min Scan# 1297
Delta R.T. -0.088 min
Lab File: VD077556.D
Acq: 14 Nov 2023 11:10

Tgt Ion:	63	Resp:	18657
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.2	4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 9.987 min Scan# 1434

Delta R.T. -0.029 min

Lab File: VD077556.D

Acq: 14 Nov 2023 11:10

Instrument :

MSVOA_D

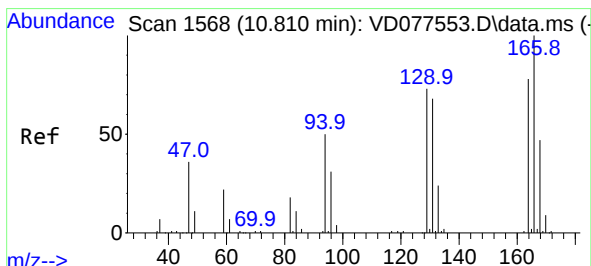
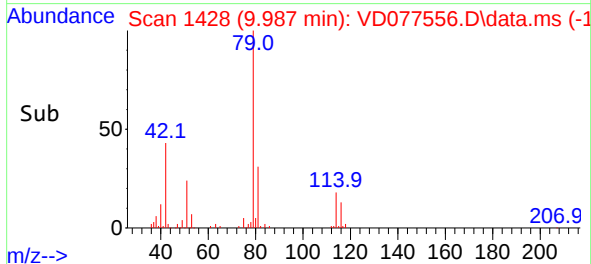
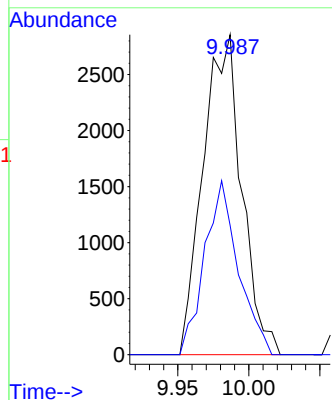
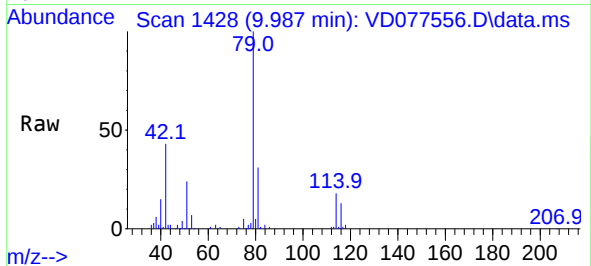
ClientSampleId :

Tgt Ion: 75 Resp: 5388

Ion Ratio Lower Upper

75 100

77 40.4 22.5 41.9



#46

Tetrachloroethene

Concen: 31.344 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD077556.D

Acq: 14 Nov 2023 11:10

Tgt Ion: 164 Resp: 153338

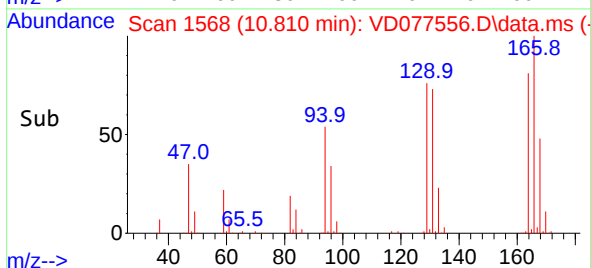
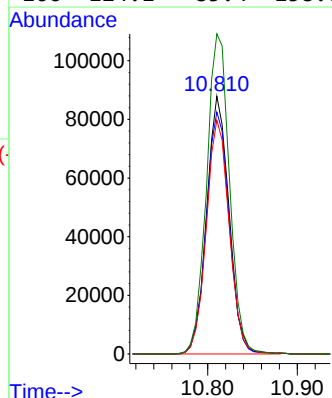
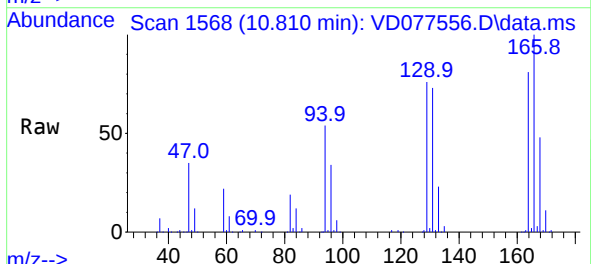
Ion Ratio Lower Upper

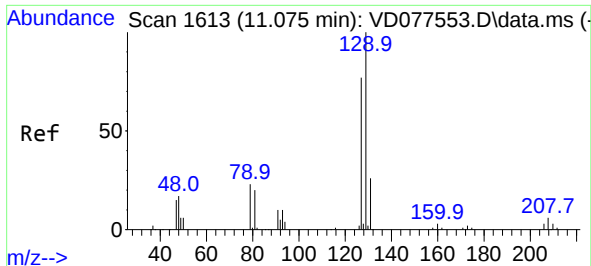
164 100

129 93.9 60.6 112.6

131 90.7 61.6 114.4

166 124.1 85.4 158.6





#49

Dibromochloromethane

Concen: 26.914 ug/L

RT: 10.810 min Scan# 11

Delta R.T. -0.265 min

Lab File: VD077556.D

Acq: 14 Nov 2023 11:10

Instrument :

MSVOA_D

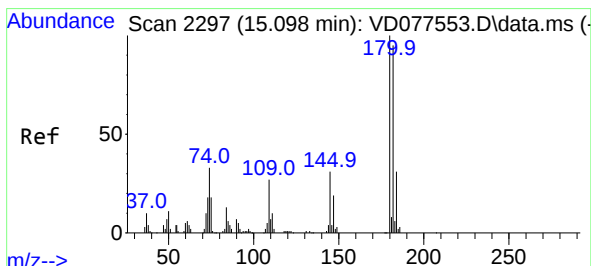
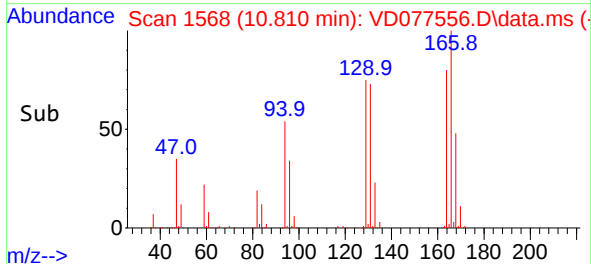
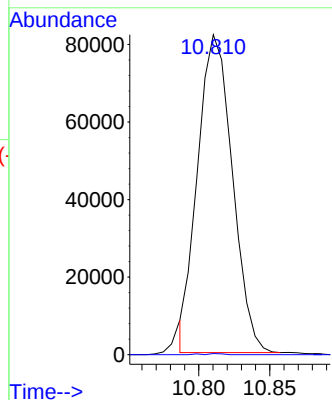
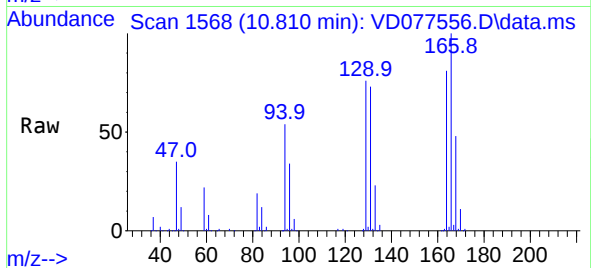
ClientSampleId :

Tgt Ion:129 Resp: 139401

Ion Ratio Lower Upper

129 100

127 0.4 54.9 102.1#



#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

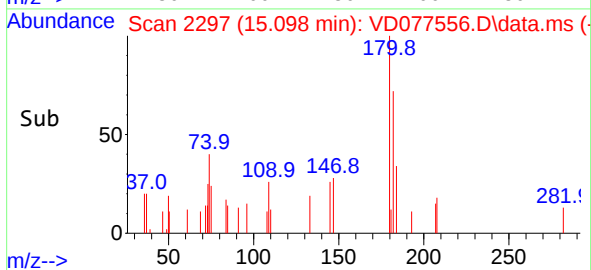
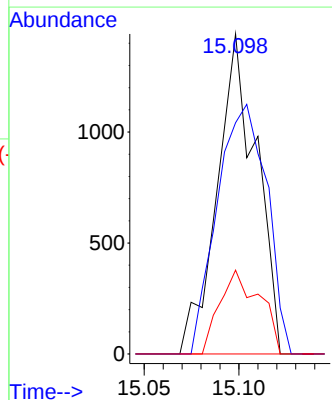
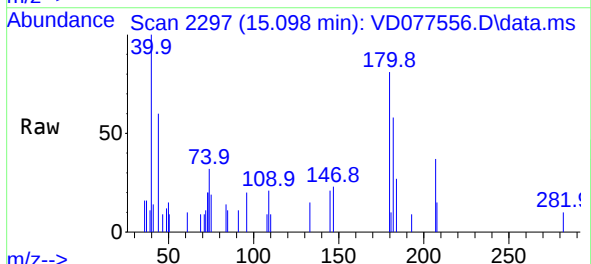
Tgt Ion:180 Resp: 2077

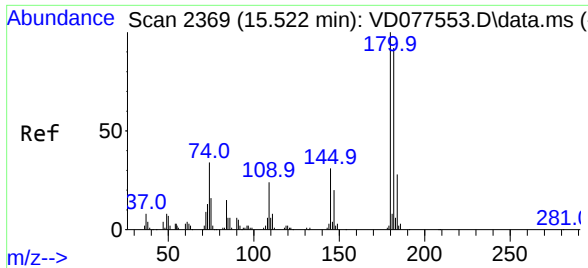
Ion Ratio Lower Upper

180 100

182 98.4 75.8 113.6

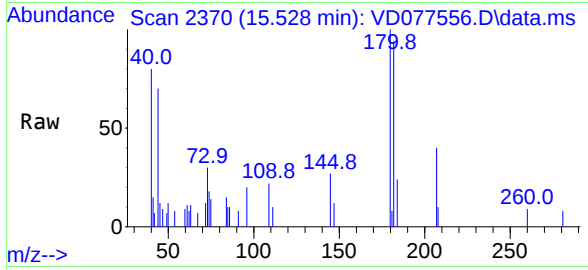
145 18.2 24.1 36.1#





#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

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	3991
Ion	Ratio	Lower	Upper
180	100		
182	83.8	76.8	115.2
145	29.0	26.0	39.0

