

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
 Data File : VD077182.D
 Acq On : 21 Sep 2023 15:53
 Operator : JC/SY
 Sample : 04469-05
 Misc : 4.41G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:32:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 01:29:35 2023
 Response via : Initial Calibration

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

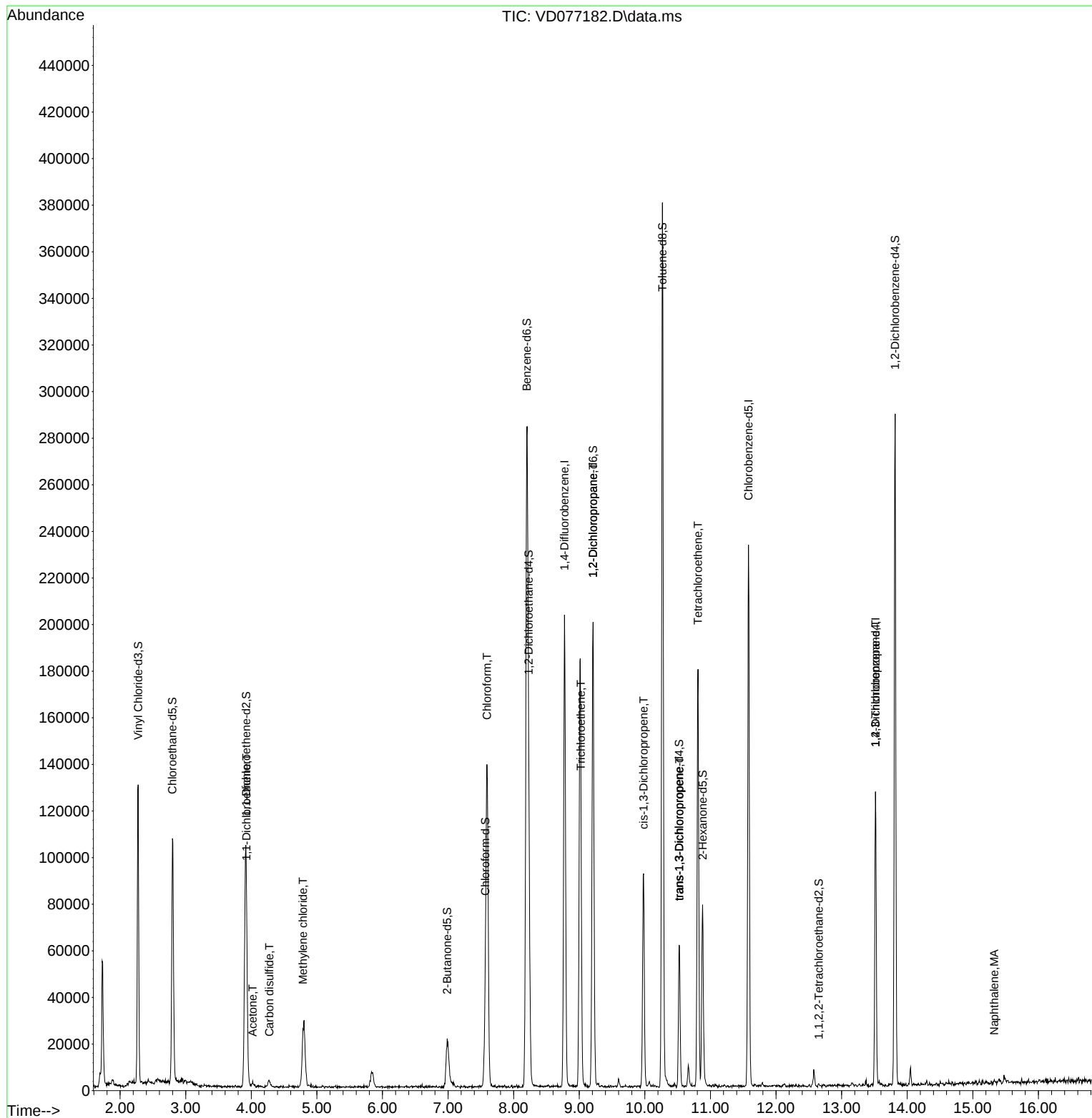
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	184442	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	138997	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	36637	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	118788	26.137	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.560%			
7) Chloroethane-d5	2.799	69	107905	28.872	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 115.480%			
11) 1,1-Dichloroethene-d2	3.922	65	29759	28.826	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 115.320%#			
21) 2-Butanone-d5	6.987	46	32063	56.001	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.000%			
24) Chloroform-d	7.569	84	29826	5.910	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 23.640%#			
26) 1,2-Dichloroethane-d4	8.228	65	83699	34.990	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 139.960%#			
32) Benzene-d6	8.199	84	310162	40.401	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 161.600%#			
36) 1,2-Dichloropropane-d6	9.210	67	99505	45.197	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 180.800%#			
41) Toluene-d8	10.269	98	265515	37.782	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 151.120%#			
43) trans-1,3-Dichloroprop...	10.522	79	37132	37.016	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 148.080%#			
47) 2-Hexanone-d5	10.881	63	21761	61.887	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.780%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	366	0.186	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 0.760%#			
66) 1,2-Dichlorobenzene-d4	13.816	152	79737	67.807	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 271.240%#			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.928	96	645	0.260	ug/L #	1
13) Acetone	4.022	43	2301	2.802	ug/L	60
14) Carbon disulfide	4.275	76	5570	0.695	ug/L #	74
16) Methylene chloride	4.787	84	9793	2.609	ug/L	93
25) Chloroform	7.593	83	131162	25.834	ug/L	97
34) Trichloroethene	9.028	95	10037	4.533	ug/L	91
37) 1,2-Dichloropropane	9.210	63	10548	5.009	ug/L #	85
39) cis-1,3-Dichloropropene	9.981	75	2688	0.803	ug/L #	63
44) trans-1,3-Dichloropropene	10.528	75	1770	0.618	ug/L	85
46) Tetrachloroethene	10.810	164	40384	22.312	ug/L	97
61) 1,2,3-Trichloropropane	13.516	75	3847	5.501	ug/L #	52
71) Naphthalene	15.328	128	1829	0.721	ug/L #	73

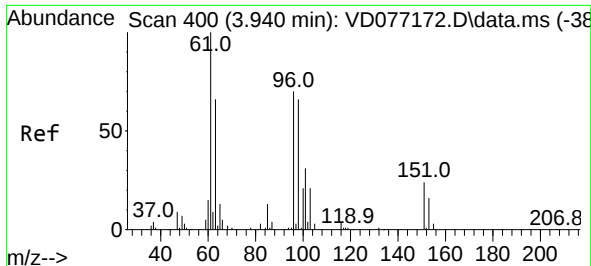
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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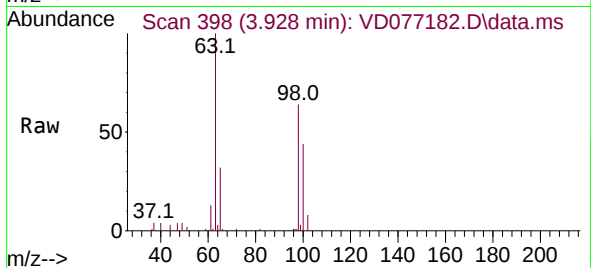
Quant Time: Sep 22 01:32:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Sep 22 01:29:35 2023
Response via : Initial Calibration



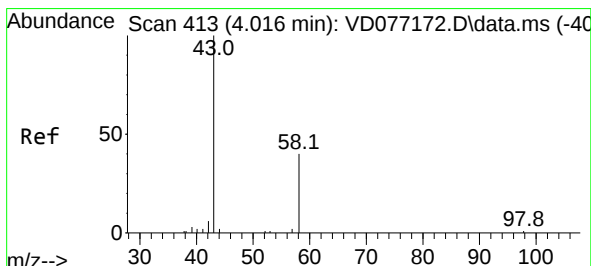
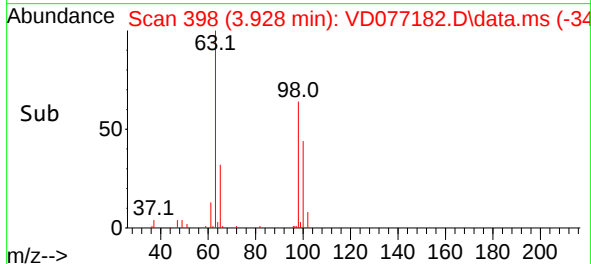
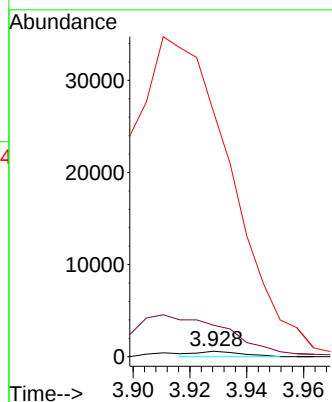


#12
1,1-Dichloroethene
Concen: 0.260 ug/L
RT: 3.928 min Scan# 398
Delta R.T. -0.012 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

Instrument :
MSVOA_D
ClientSampleId :

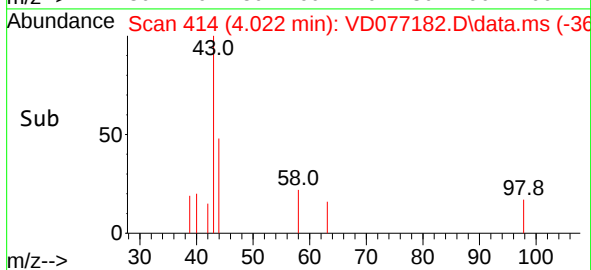
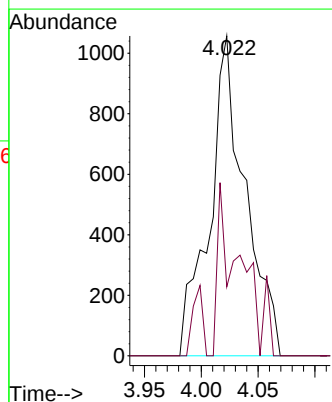
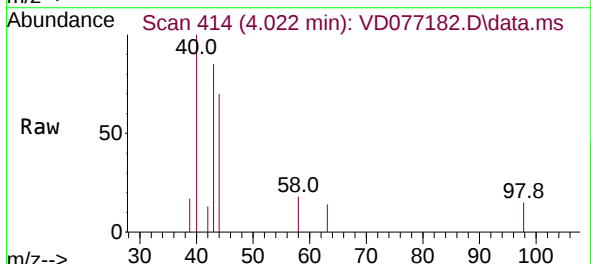


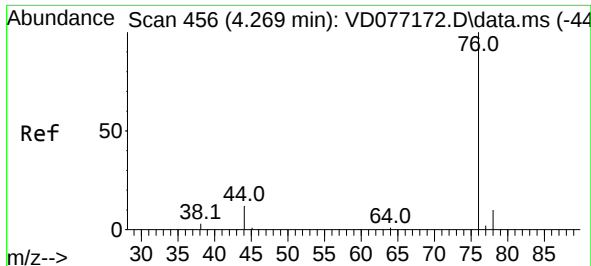
Tgt Ion: 96 Resp: 645
Ion Ratio Lower Upper
96 100
61 578.9 95.5 177.3#
63 4501.4 68.6 127.4#



#13
Acetone
Concen: 2.802 ug/L
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

Tgt Ion: 43 Resp: 2301
Ion Ratio Lower Upper
43 100
58 12.3 0.0 71.8

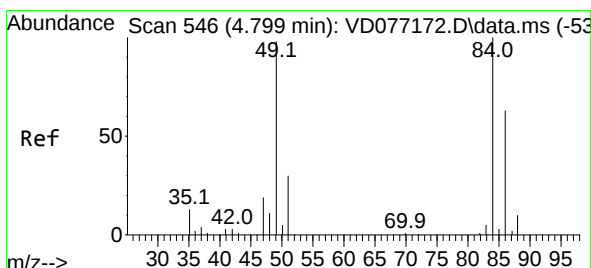
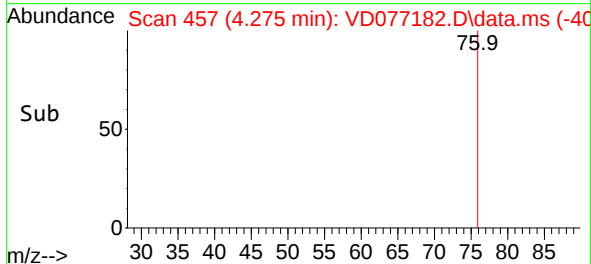
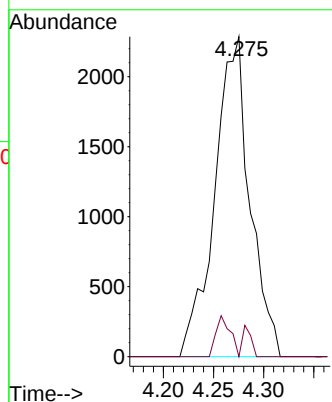
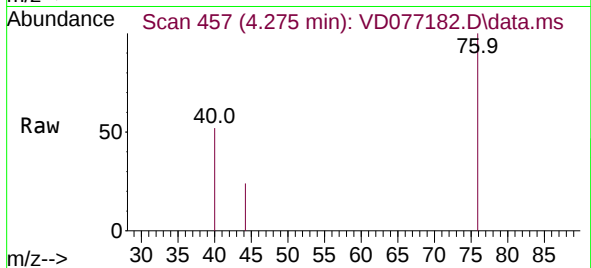




#14
Carbon disulfide
Concen: 0.695 ug/L
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

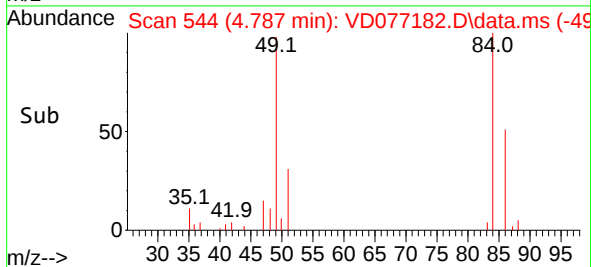
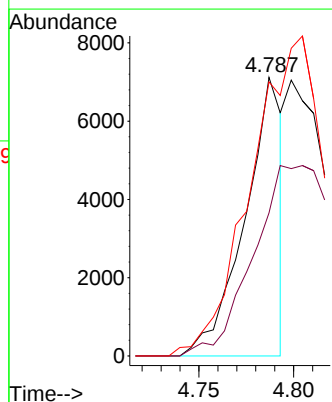
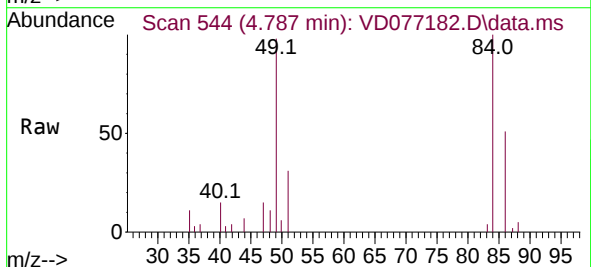
Instrument :
MSVOA_D
ClientSampleId :

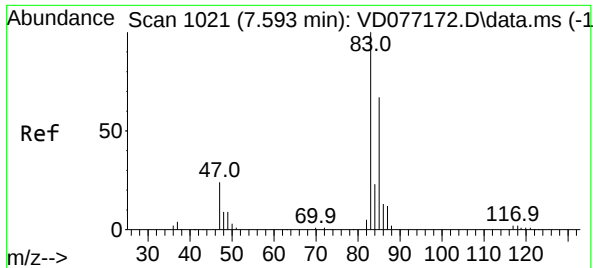
Tgt Ion: 76 Resp: 5570
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#16
Methylene chloride
Concen: 2.609 ug/L
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

Tgt Ion: 84 Resp: 9793
Ion Ratio Lower Upper
84 100
86 51.4 45.3 84.1
49 98.4 69.2 128.6

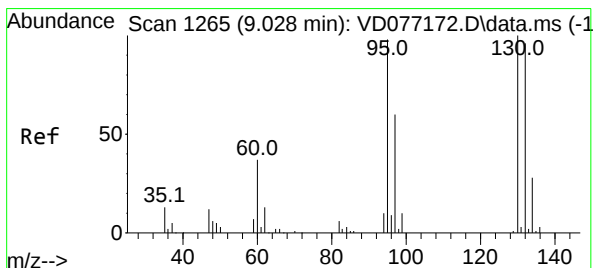
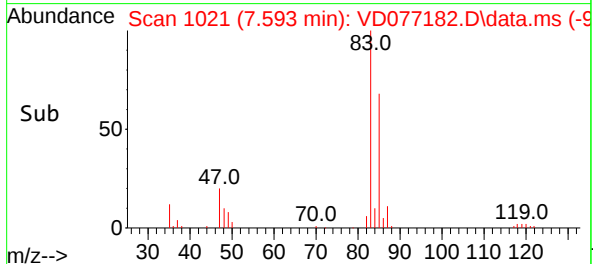
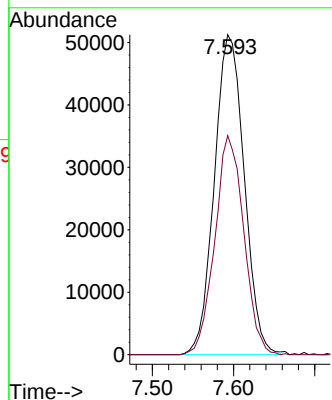
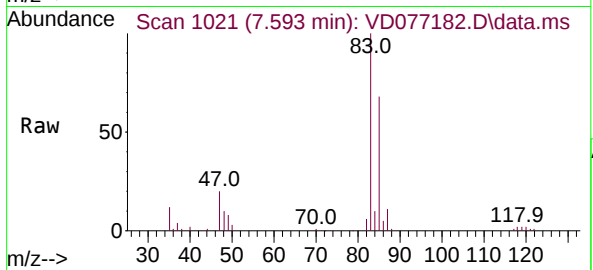




#25
Chloroform
Concen: 25.834 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

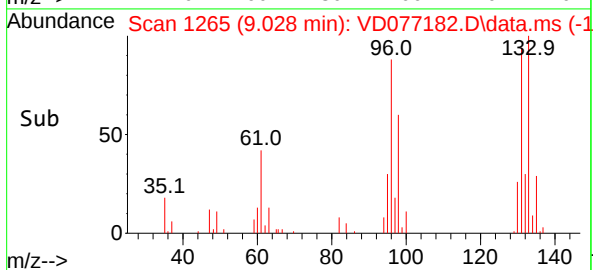
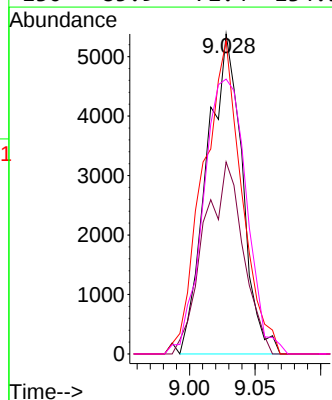
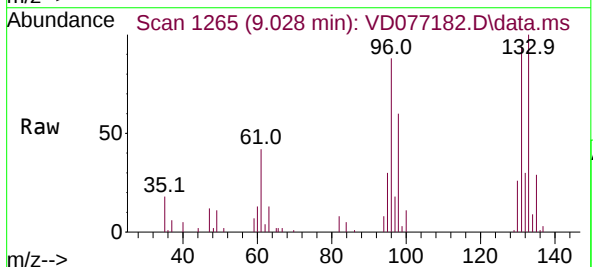
Instrument :
MSVOA_D
ClientSampleId :

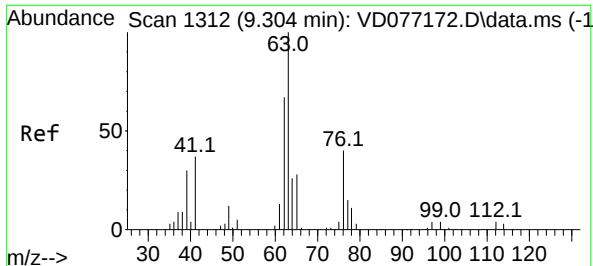
Tgt Ion: 83 Resp: 131162
Ion Ratio Lower Upper
83 100
85 68.4 46.2 85.8



#34
Trichloroethene
Concen: 4.533 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

Tgt Ion: 95 Resp: 10037
Ion Ratio Lower Upper
95 100
97 60.0 46.4 86.2
132 97.8 70.1 130.1
130 85.9 72.4 134.5





#37

1,2-Dichloropropane

Concen: 5.009 ug/L

RT: 9.210 min Scan# 11

Delta R.T. -0.094 min

Lab File: VD077182.D

Acq: 21 Sep 2023 15:53

Instrument :

MSVOA_D

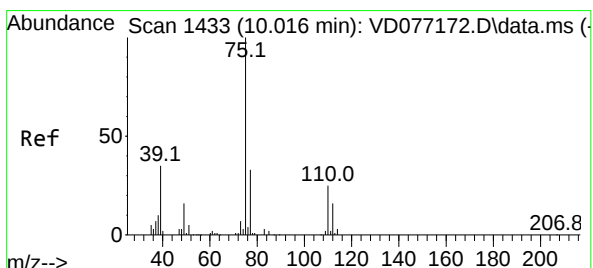
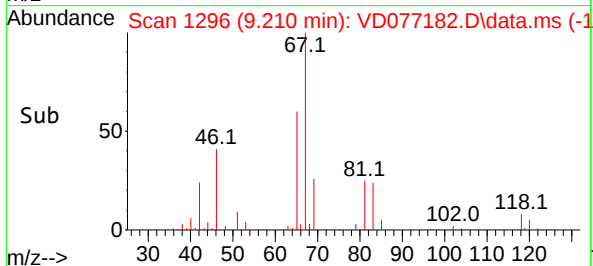
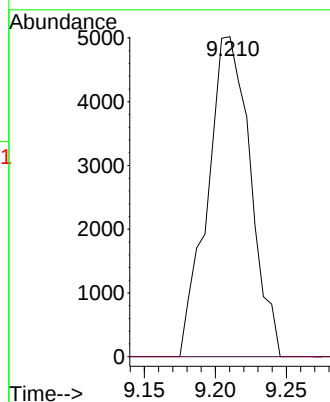
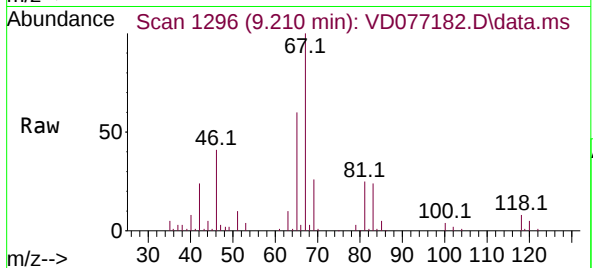
ClientSampleId :

Tgt Ion: 63 Resp: 10548

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.803 ug/L

RT: 9.981 min Scan# 1427

Delta R.T. -0.035 min

Lab File: VD077182.D

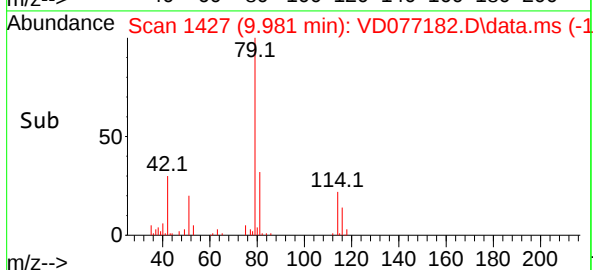
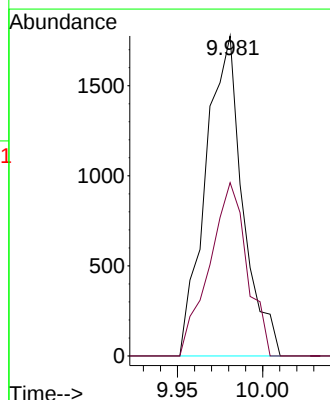
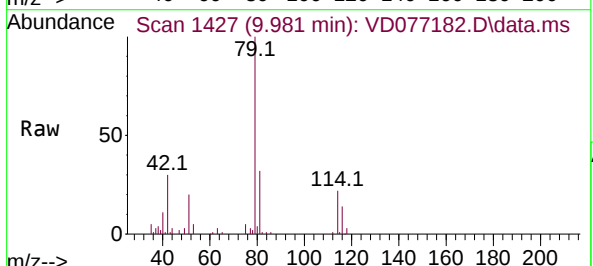
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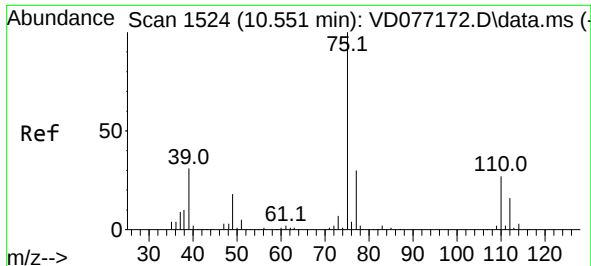
Tgt Ion: 75 Resp: 2688

Ion Ratio Lower Upper

75 100

77 54.2 23.2 43.2#

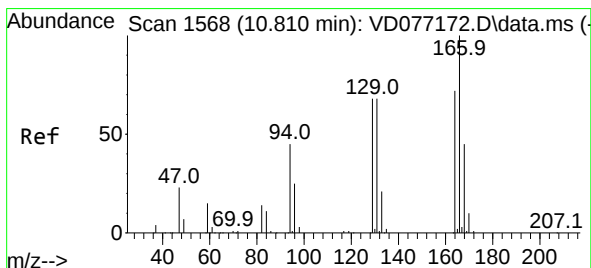
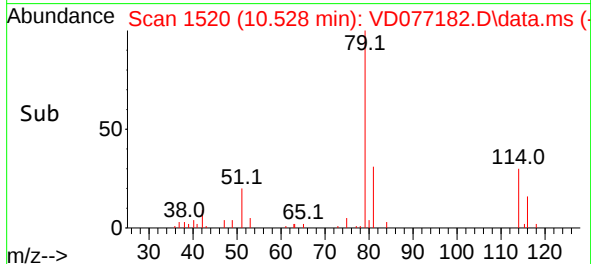
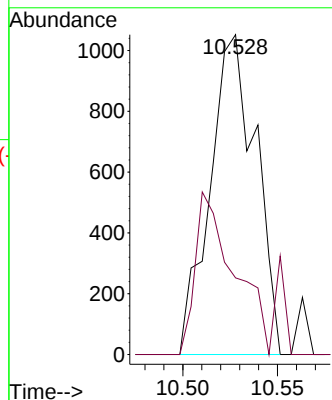
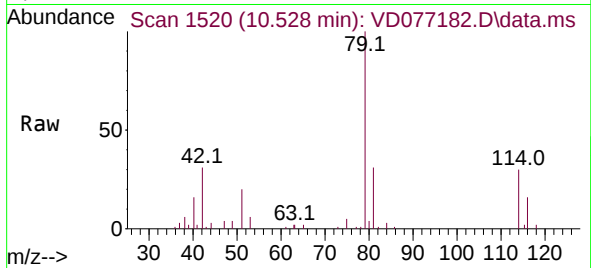




#44
trans-1,3-Dichloropropene
Concen: 0.618 ug/L
RT: 10.528 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

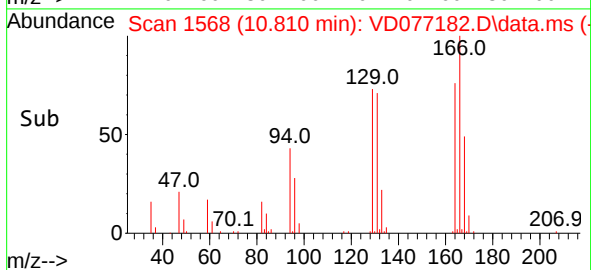
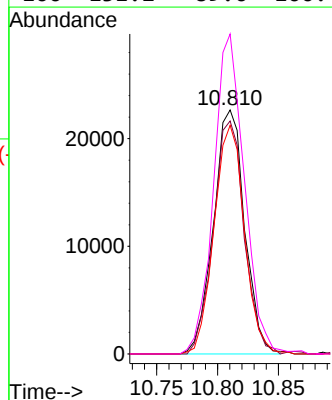
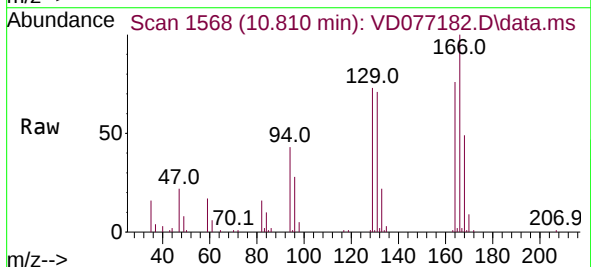
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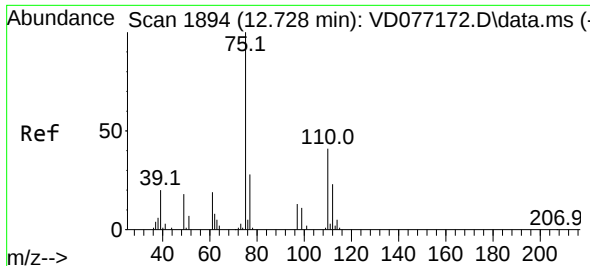
Tgt Ion: 75 Resp: 1770
Ion Ratio Lower Upper
75 100
77 24.0 22.5 41.9



#46
Tetrachloroethene
Concen: 22.312 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

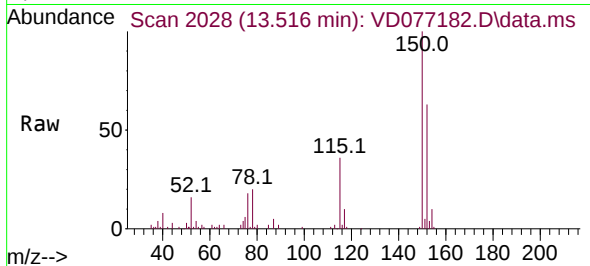
Tgt Ion:164 Resp: 40384
Ion Ratio Lower Upper
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129 95.5 66.4 123.4
131 93.7 62.6 116.3
166 131.2 89.6 166.4



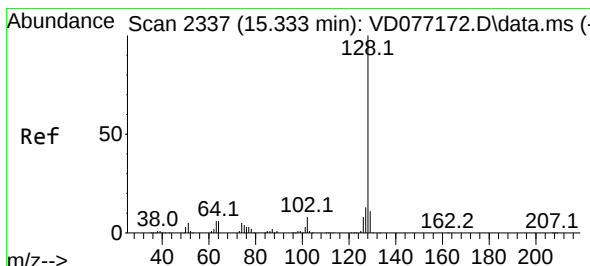
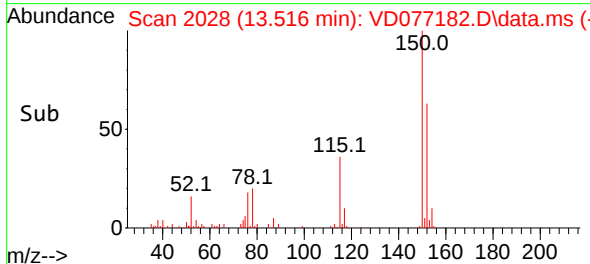
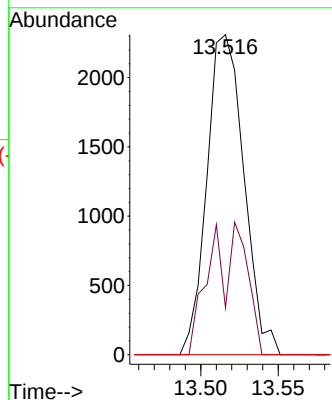


#61
1,2,3-Trichloropropane
Concen: 5.501 ug/L
RT: 13.516 min Scan# 20
Delta R.T. 0.788 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

Instrument :
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Tgt Ion: 75 Resp: 3847
Ion Ratio Lower Upper
75 100
77 19.7 26.6 40.0#
110 0.0 33.6 50.4#



#71
Naphthalene
Concen: 0.721 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD077182.D
Acq: 21 Sep 2023 15:53

Tgt Ion: 128 Resp: 1829
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 3.6 8.6 13.0#

