

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076660.D
 Acq On : 30 Jun 2023 14:08
 Operator : KP/SY
 Sample : 03472-15
 Misc : 4.20G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S9

Quant Time: Jul 03 01:30:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

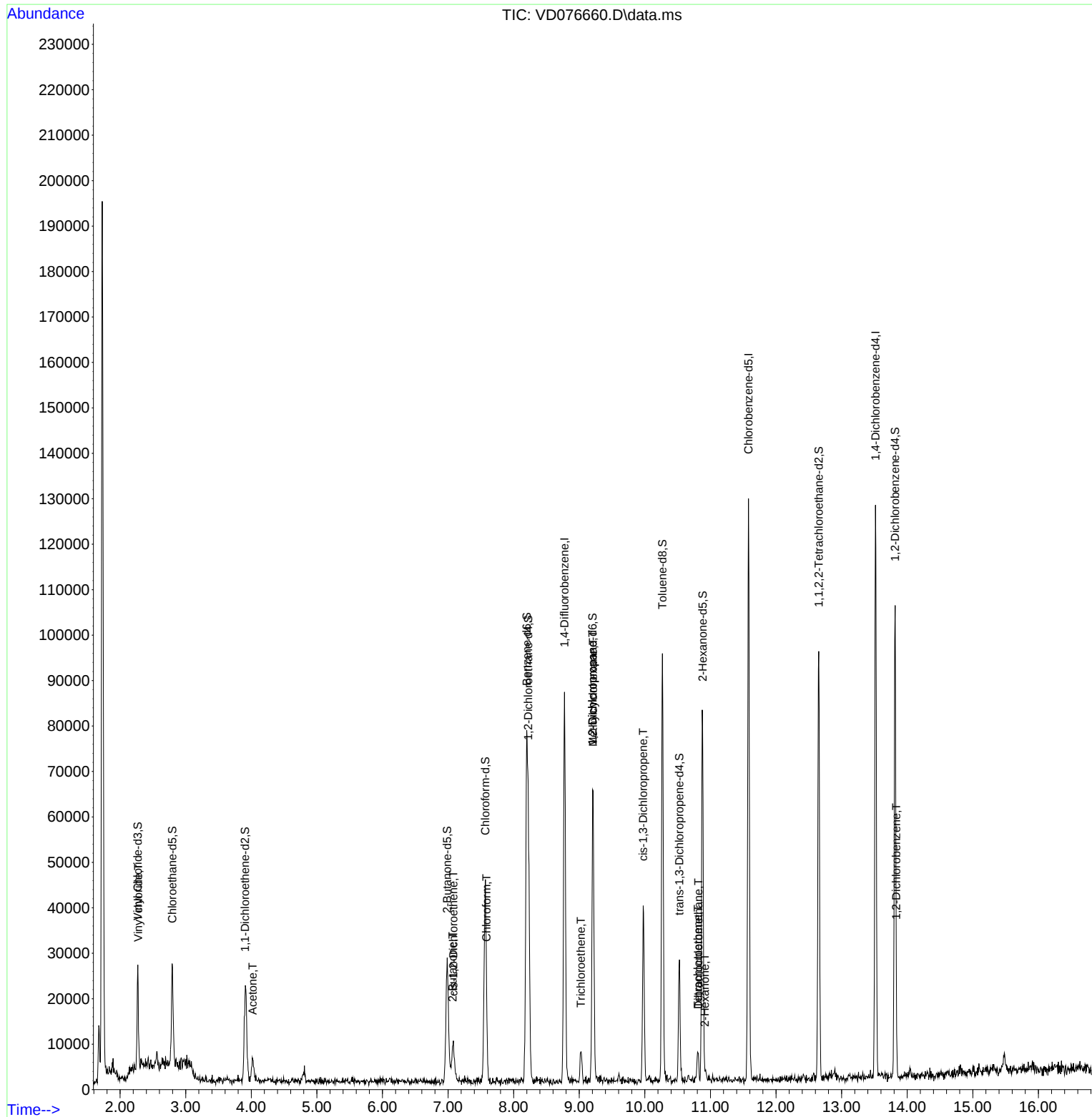
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	70994	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	69137	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	31077	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	16877	9.762	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	39.040%
7) Chloroethane-d5	2.799	69	20222	14.465	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.880%
11) 1,1-Dichloroethene-d2	3.905	65	6027	13.355	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.400%
21) 2-Butanone-d5	6.987	46	46735	178.487	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	356.980%#
24) Chloroform-d	7.569	84	42016	22.464	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.840%
26) 1,2-Dichloroethane-d4	8.222	65	32607	35.338	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	141.360%#
32) Benzene-d6	8.199	84	73208	17.310	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	69.240%
36) 1,2-Dichloropropane-d6	9.204	67	30964	22.937	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.760%
41) Toluene-d8	10.269	98	62663	16.002	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.000%
43) trans-1,3-Dichloroprop...	10.528	79	14729	26.232	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.920%
47) 2-Hexanone-d5	10.881	63	28017	133.699	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	267.400%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	49898	51.954	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	207.800%#
66) 1,2-Dichlorobenzene-d4	13.816	152	26633	23.381	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.520%
Target Compounds						Qvalue
5) Vinyl chloride	2.275	62	1452	0.732	ug/L	88
13) Acetone	4.022	43	7944	37.563	ug/L	52
20) cis-1,2-Dichloroethene	7.081	96	2859	2.492	ug/L	88
22) 2-Butanone	7.069	43	881	2.581	ug/L	99
25) Chloroform	7.587	83	986	0.538	ug/L	88
34) Trichloroethene	9.028	95	2236	1.902	ug/L #	79
35) Methylcyclohexane	9.210	83	7377	3.892	ug/L #	19
37) 1,2-Dichloropropane	9.204	63	3416	2.738	ug/L #	88
39) cis-1,3-Dichloropropene	9.975	75	810	0.425	ug/L	89
46) Tetrachloroethene	10.810	164	1536	1.662	ug/L #	45
48) 2-Hexanone	10.916	43	566	1.065	ug/L #	59
49) Dibromochloromethane	10.816	129	1114	1.146	ug/L #	10
67) 1,2-Dichlorobenzene	13.834	146	646	0.343	ug/L #	72

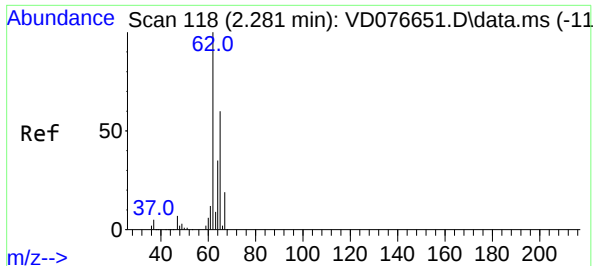
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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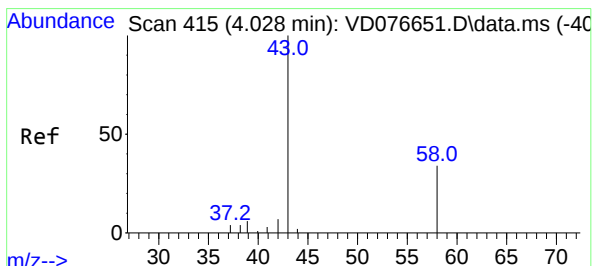
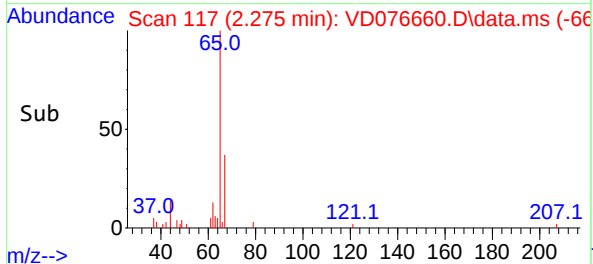
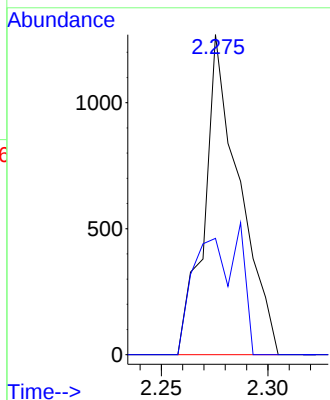
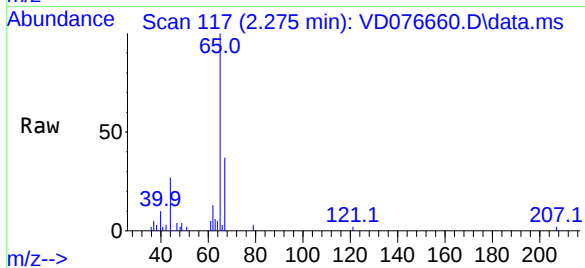




#5
 Vinyl chloride
 Concen: 0.732 ug/L
 RT: 2.275 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VD076660.D
 Acq: 30 Jun 2023 14:08

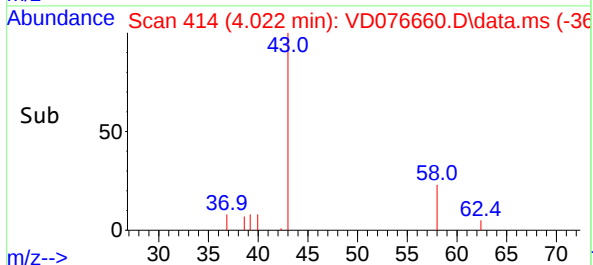
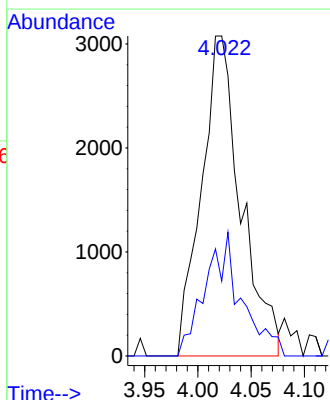
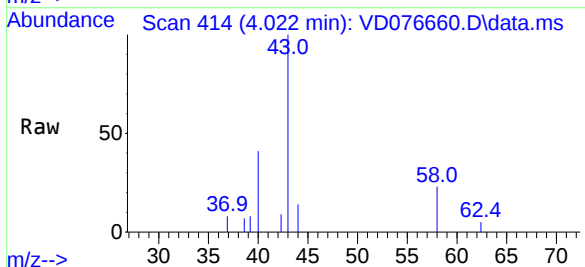
Instrument :
 MSVOA_D
 ClientSampleId :
 A46S9

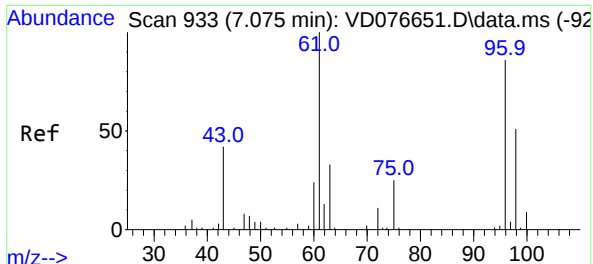
Tgt Ion: 62 Resp: 1452
 Ion Ratio Lower Upper
 62 100
 64 36.4 21.1 39.1



#13
 Acetone
 Concen: 37.563 ug/L
 RT: 4.022 min Scan# 414
 Delta R.T. -0.000 min
 Lab File: VD076660.D
 Acq: 30 Jun 2023 14:08

Tgt Ion: 43 Resp: 7944
 Ion Ratio Lower Upper
 43 100
 58 6.4 0.0 67.4





#20

cis-1,2-Dichloroethene

Concen: 2.492 ug/L

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076660.D

Acq: 30 Jun 2023 14:08

Instrument :

MSVOA_D

ClientSampleId :

A46S9

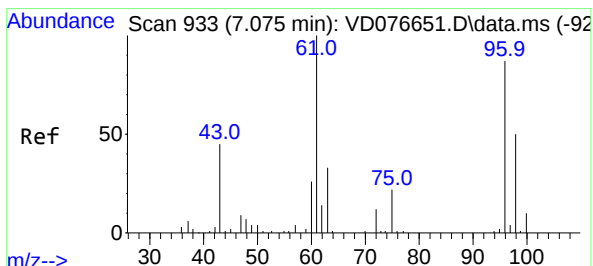
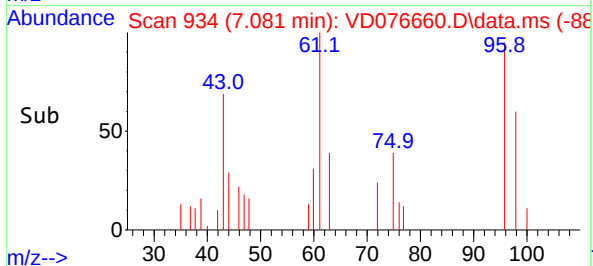
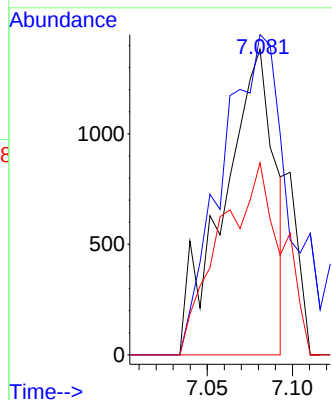
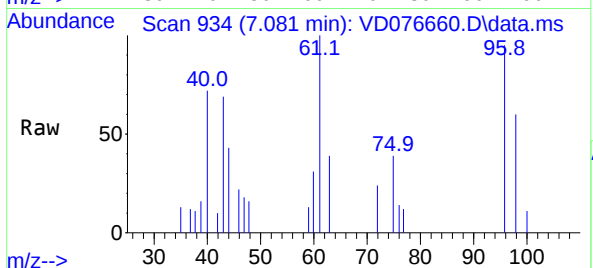
Tgt Ion: 96 Resp: 2859

Ion Ratio Lower Upper

96 100

61 104.8 86.0 159.6

98 62.8 42.2 78.4



#22

2-Butanone

Concen: 2.581 ug/L

RT: 7.069 min Scan# 932

Delta R.T. -0.012 min

Lab File: VD076660.D

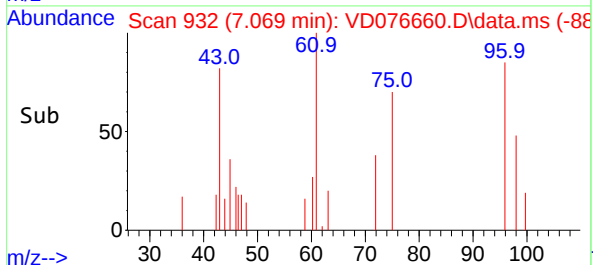
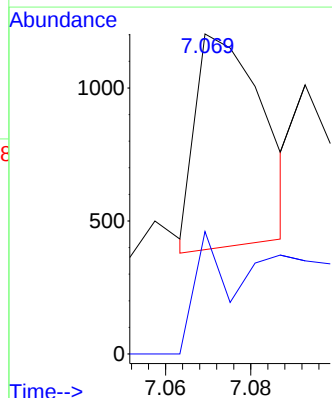
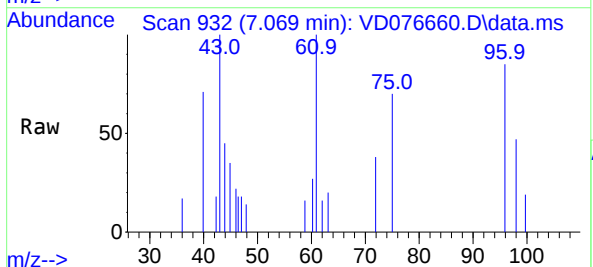
Acq: 30 Jun 2023 14:08

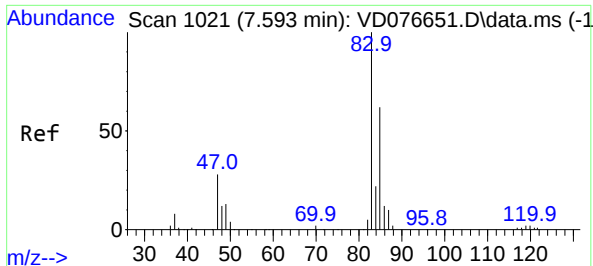
Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

72 26.2 12.9 38.7

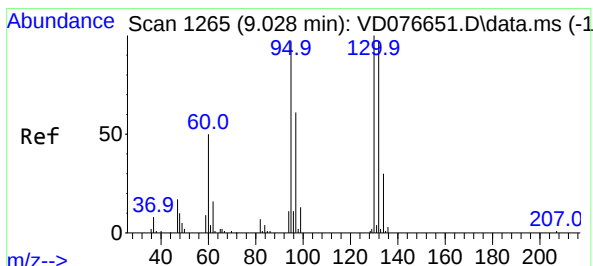
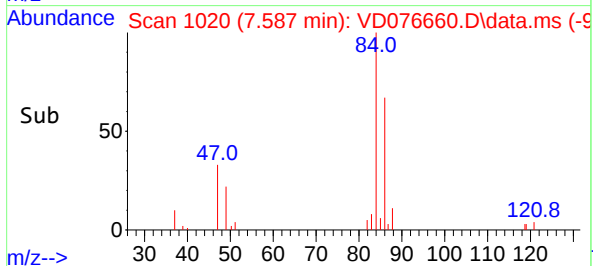
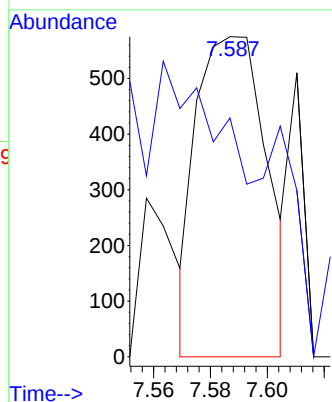
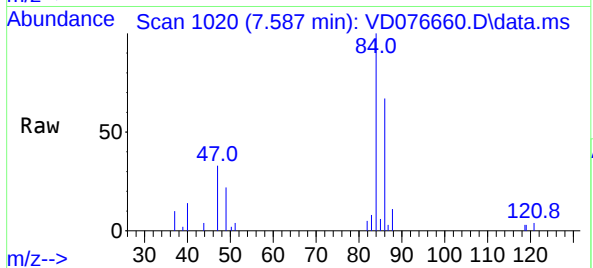




#25
Chloroform
Concen: 0.538 ug/L
RT: 7.587 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD076660.D
Acq: 30 Jun 2023 14:08

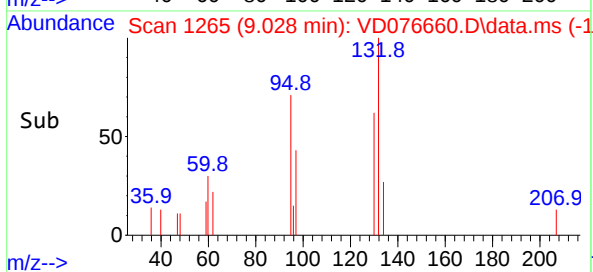
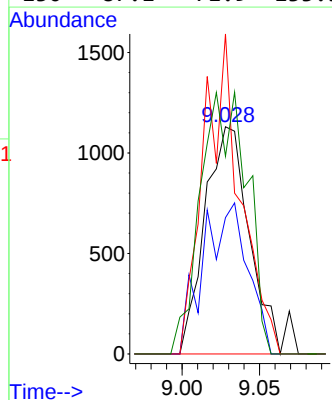
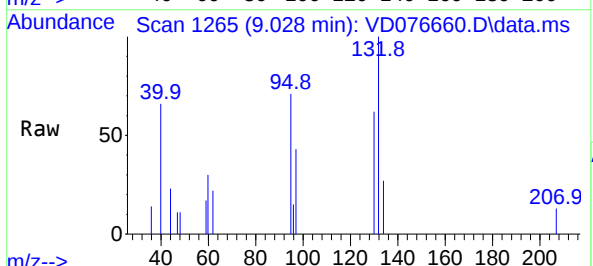
Instrument :
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A46S9

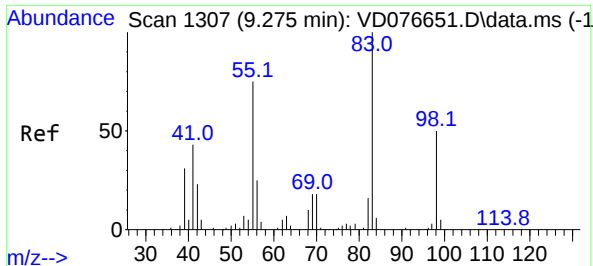
Tgt Ion: 83 Resp: 986
Ion Ratio Lower Upper
83 100
85 74.6 45.4 84.4



#34
Trichloroethene
Concen: 1.902 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076660.D
Acq: 30 Jun 2023 14:08

Tgt Ion: 95 Resp: 2236
Ion Ratio Lower Upper
95 100
97 60.0 43.1 80.1
132 140.9 71.8 133.4#
130 87.1 71.9 133.5





#35

Methylcyclohexane

Concen: 3.892 ug/L

RT: 9.210 min Scan# 11

Delta R.T. -0.059 min

Lab File: VD076660.D

Acq: 30 Jun 2023 14:08

Instrument :

MSVOA_D

ClientSampleId :

A46S9

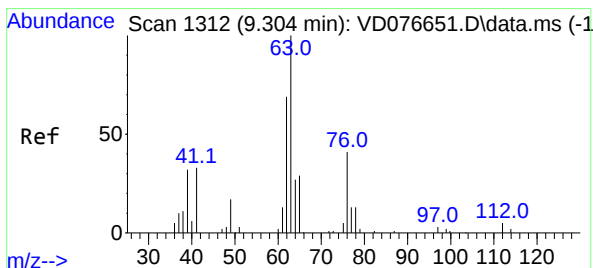
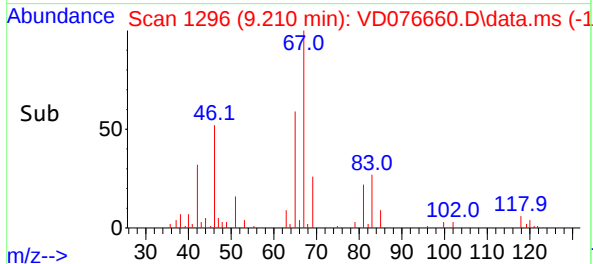
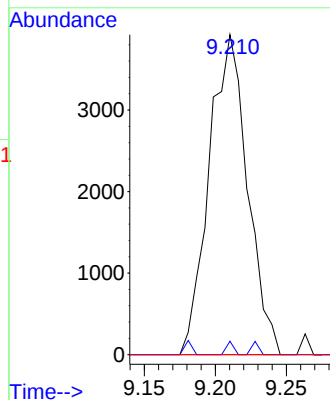
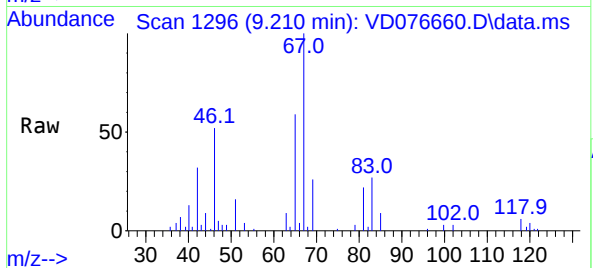
Tgt Ion: 83 Resp: 7377

Ion Ratio Lower Upper

83 100

55 0.0 59.8 89.6#

98 0.0 37.8 56.6#



#37

1,2-Dichloropropane

Concen: 2.738 ug/L

RT: 9.204 min Scan# 1295

Delta R.T. -0.100 min

Lab File: VD076660.D

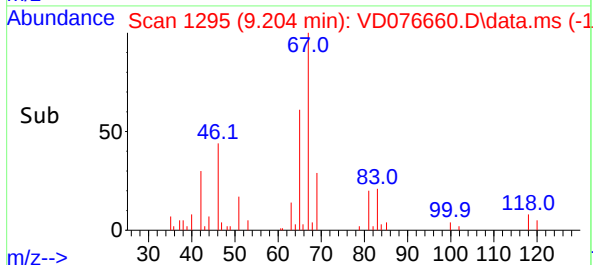
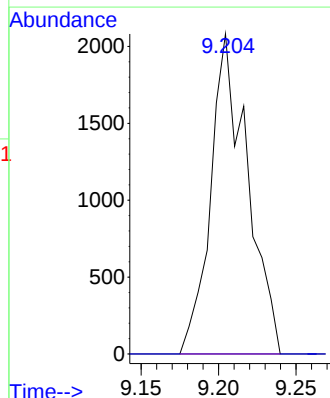
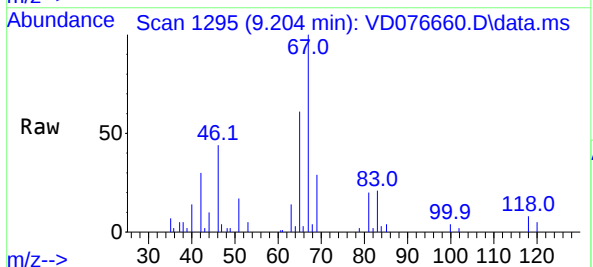
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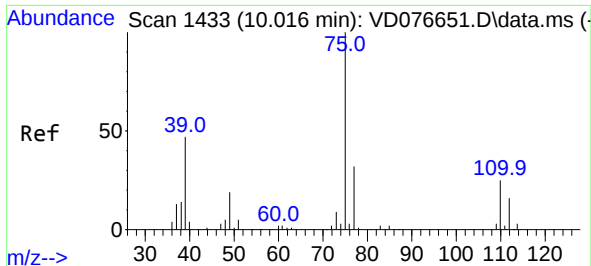
Tgt Ion: 63 Resp: 3416

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#





#39

cis-1,3-Dichloropropene

Concen: 0.425 ug/L

RT: 9.975 min Scan# 1433

Delta R.T. -0.041 min

Lab File: VD076660.D

Acq: 30 Jun 2023 14:08

Instrument :

MSVOA_D

ClientSampleId :

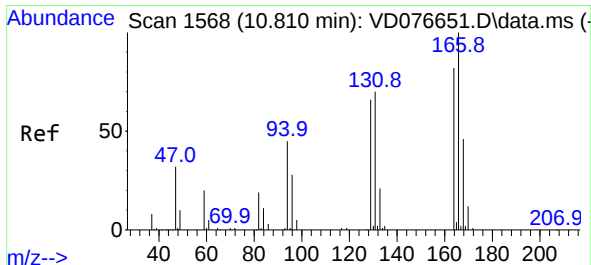
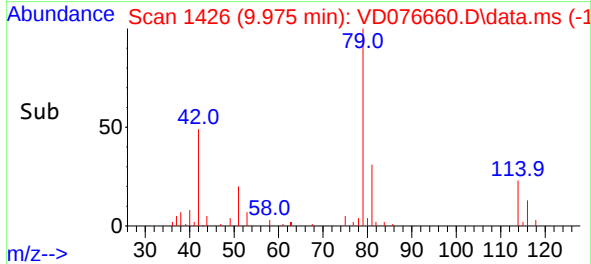
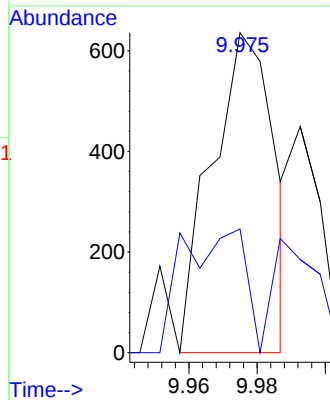
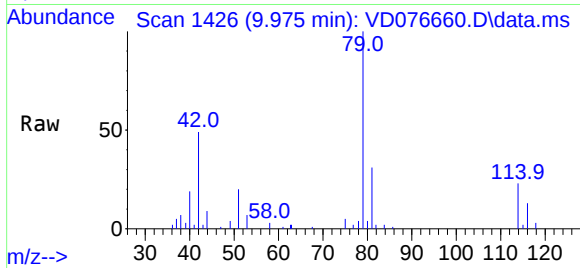
A46S9

Tgt Ion: 75 Resp: 810

Ion Ratio Lower Upper

75 100

77 38.7 22.7 42.3



#46

Tetrachloroethene

Concen: 1.662 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD076660.D

Acq: 30 Jun 2023 14:08

Tgt Ion: 164 Resp: 1536

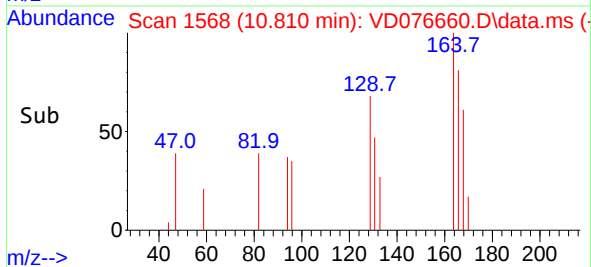
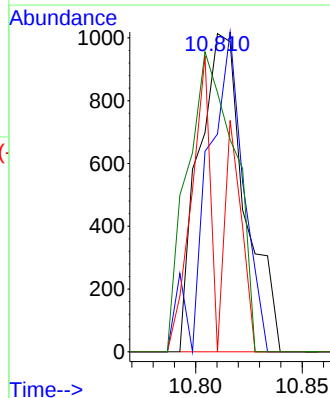
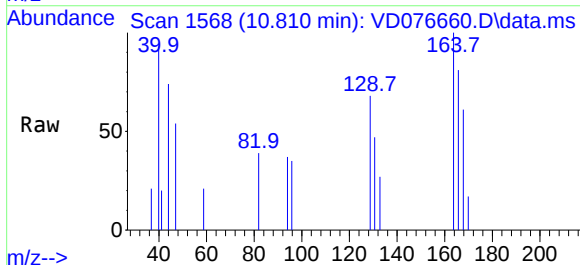
Ion Ratio Lower Upper

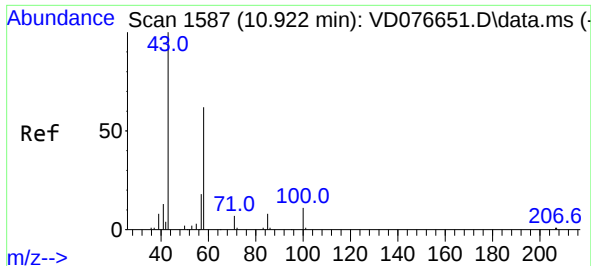
164 100

129 68.4 65.5 121.6

131 0.0 64.8 120.3#

166 81.5 97.2 180.4#





#48

2-Hexanone

Concen: 1.065 ug/L

RT: 10.916 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VD076660.D

Acq: 30 Jun 2023 14:08

Instrument :

MSVOA_D

ClientSampleId :

A46S9

Tgt Ion: 43 Resp: 566

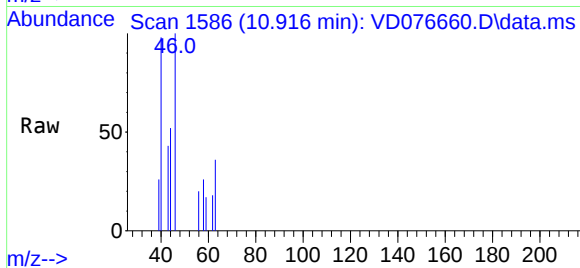
Ion Ratio Lower Upper

43 100

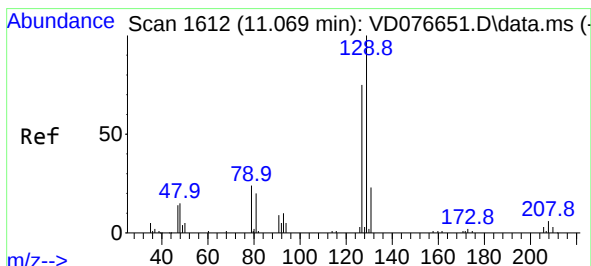
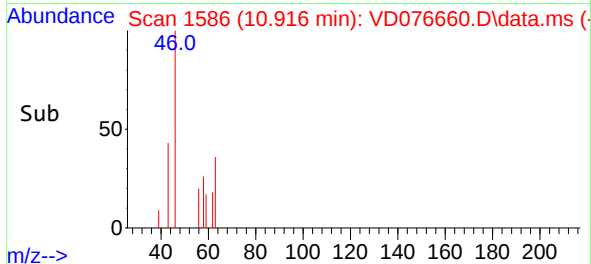
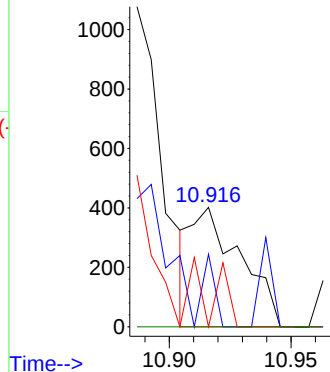
58 15.2 42.9 64.3#

57 14.5 13.7 20.5

100 0.0 9.4 14.0#



Abundance



#49

Dibromochloromethane

Concen: 1.146 ug/L

RT: 10.816 min Scan# 1569

Delta R.T. -0.259 min

Lab File: VD076660.D

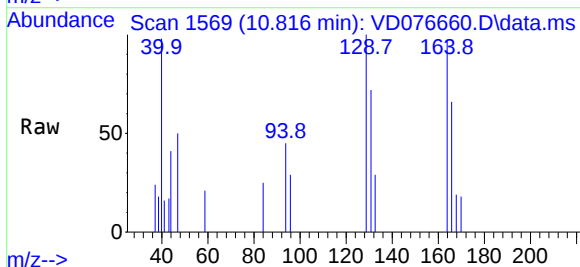
Acq: 30 Jun 2023 14:08

Tgt Ion: 129 Resp: 1114

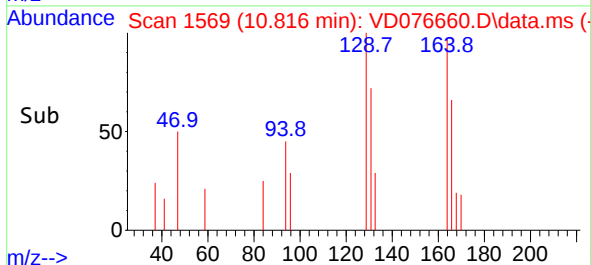
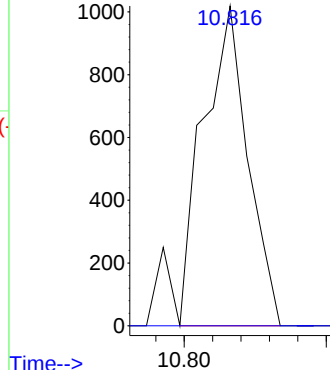
Ion Ratio Lower Upper

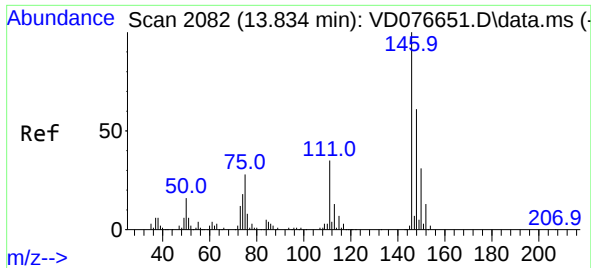
129 100

127 0.0 55.2 102.6#



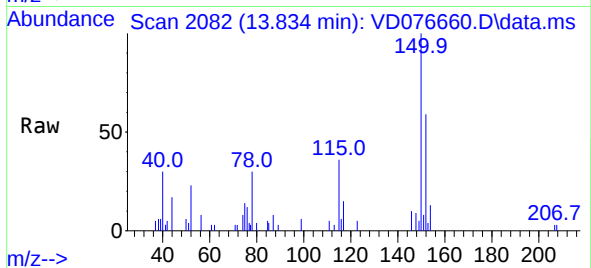
Abundance





#67
 1,2-Dichlorobenzene
 Concen: 0.343 ug/L
 RT: 13.834 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VD076660.D
 Acq: 30 Jun 2023 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S9



Tgt Ion:	146	Resp:	646
Ion	Ratio	Lower	Upper
146	100		
111	52.6	31.3	46.9#
148	89.9	51.7	77.5#

