

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076671.D
 Acq On : 30 Jun 2023 19:14
 Operator : KP/SY
 Sample : 03472-15RE
 Misc : 6.74G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S9

Quant Time: Jul 03 01:32:00 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)

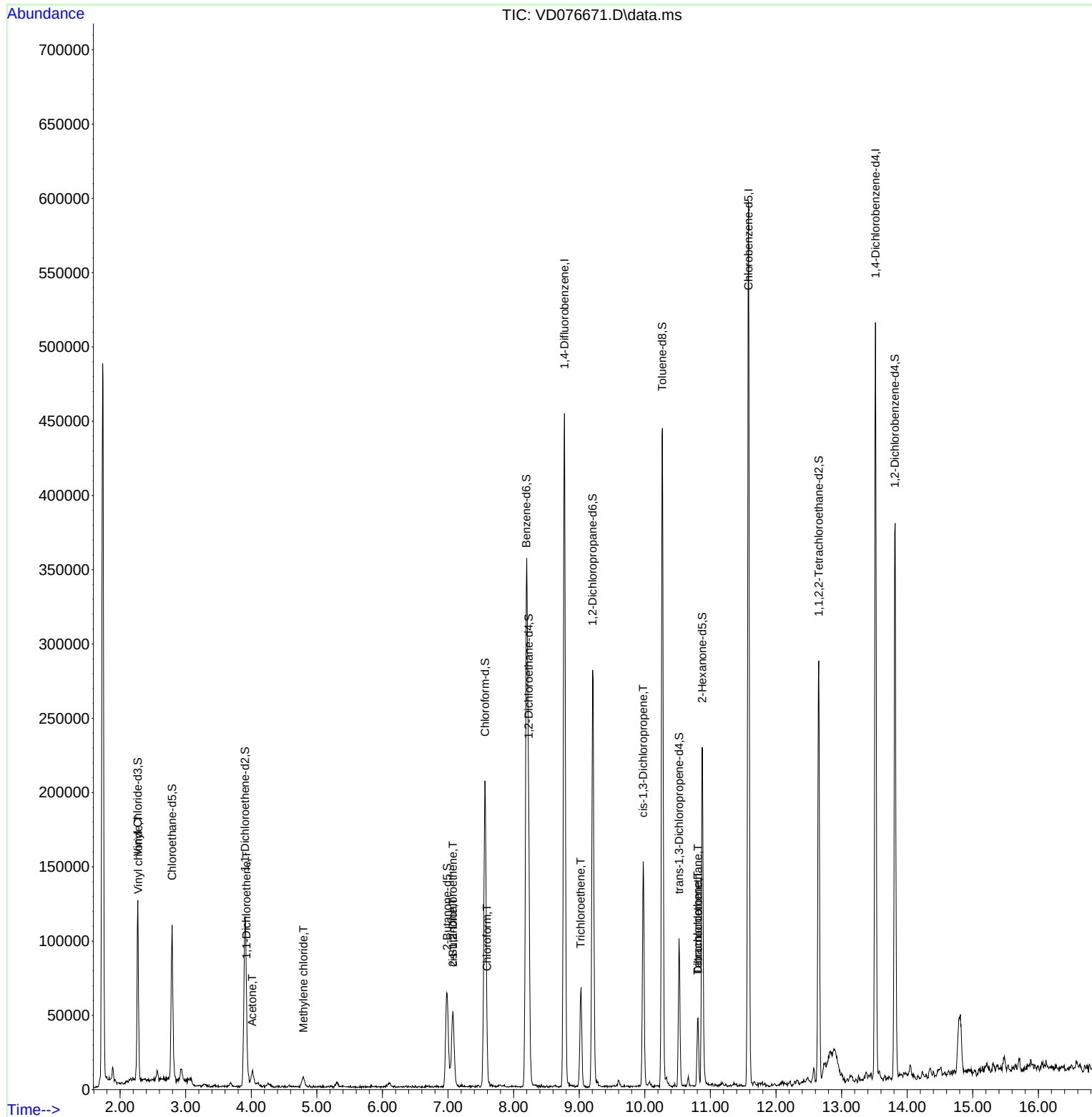
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	396472	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	324949	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	131219	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	93580	9.692	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.760%
7) Chloroethane-d5	2.793	69	102968	13.189	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.760%
11) 1,1-Dichloroethene-d2	3.905	65	31267	12.406	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.640%
21) 2-Butanone-d5	6.987	46	115105	78.717	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	157.440%#
24) Chloroform-d	7.563	84	207835	19.897	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	8.228	65	127644	24.771	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.080%
32) Benzene-d6	8.193	84	359138	18.067	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	72.280%
36) 1,2-Dichloropropane-d6	9.204	67	131319	20.697	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.800%
41) Toluene-d8	10.263	98	304972	16.570	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.280%
43) trans-1,3-Dichloroprop...	10.522	79	52360	19.840	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.360%
47) 2-Hexanone-d5	10.875	63	81062	82.303	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.600%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	141713	31.394	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	125.560%#
66) 1,2-Dichlorobenzene-d4	13.810	152	98051	20.386	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.560%
Target Compounds						Qvalue
5) Vinyl chloride	2.275	62	14607	1.318	ug/L	85
12) 1,1-Dichloroethene	3.928	96	3097	0.602	ug/L #	1
13) Acetone	4.016	43	19059	16.137	ug/L	85
16) Methylene chloride	4.793	84	3221	0.467	ug/L	77
20) cis-1,2-Dichloroethene	7.075	96	26842	4.190	ug/L	90
22) 2-Butanone	7.075	43	6496	3.408	ug/L	82
25) Chloroform	7.593	83	7456	0.728	ug/L	92
34) Trichloroethene	9.022	95	22844	4.135	ug/L	95
39) cis-1,3-Dichloropropene	9.975	75	4511	0.504	ug/L	87
46) Tetrachloroethene	10.804	164	10687	2.461	ug/L	78
49) Dibromochloromethane	10.810	129	8962	1.961	ug/L #	10

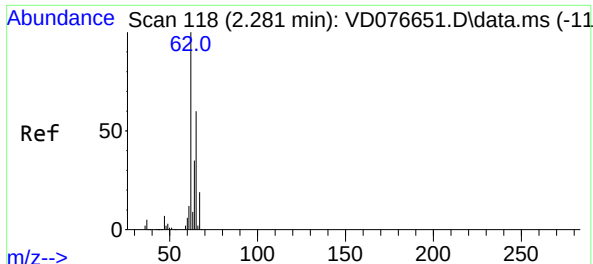
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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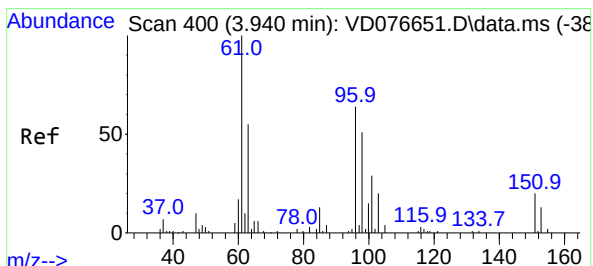
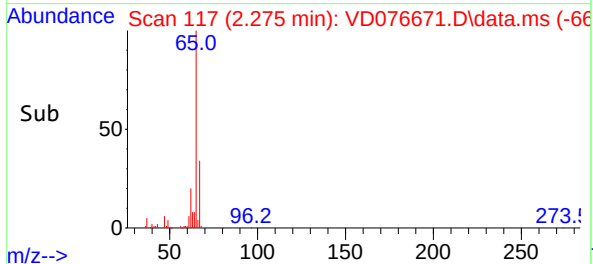
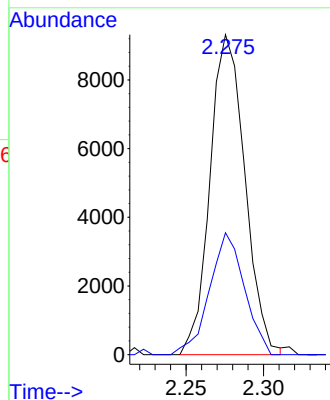
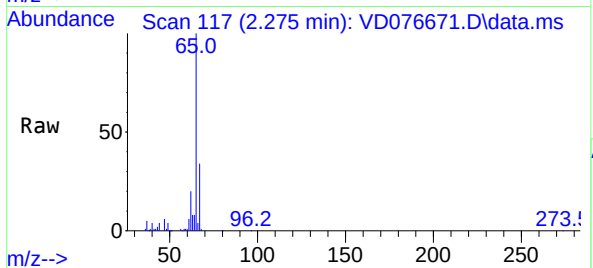




#5
 Vinyl chloride
 Concen: 1.318 ug/L
 RT: 2.275 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD076671.D
 Acq: 30 Jun 2023 19:14

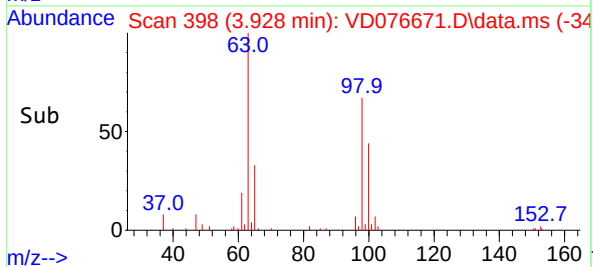
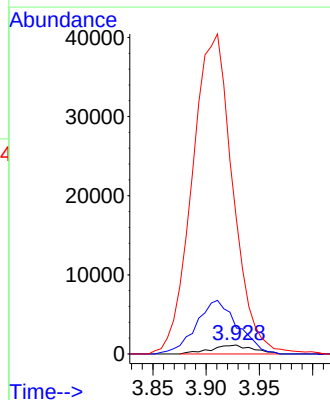
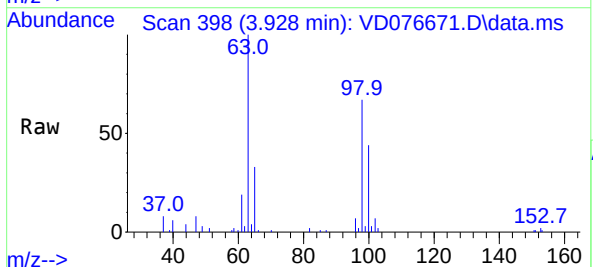
Instrument :
 MSVOA_D
 ClientSampleId :
 A46S9

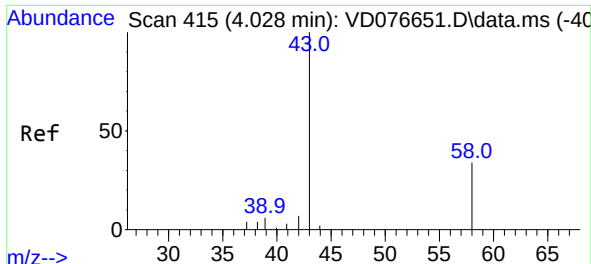
Tgt Ion: 62 Resp: 14607
 Ion Ratio Lower Upper
 62 100
 64 38.1 21.1 39.1



#12
 1,1-Dichloroethene
 Concen: 0.602 ug/L
 RT: 3.928 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VD076671.D
 Acq: 30 Jun 2023 19:14

Tgt Ion: 96 Resp: 3097
 Ion Ratio Lower Upper
 96 100
 61 289.9 113.0 209.8#
 63 1514.1 83.6 155.2#





#13

Acetone

Concen: 16.137 ug/L

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076671.D

Acq: 30 Jun 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

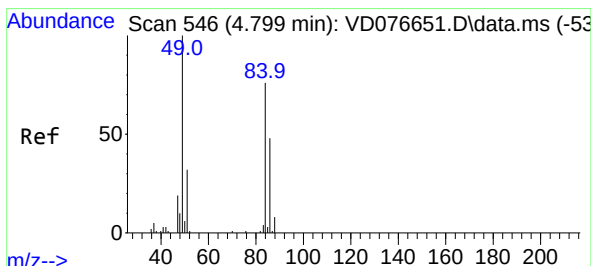
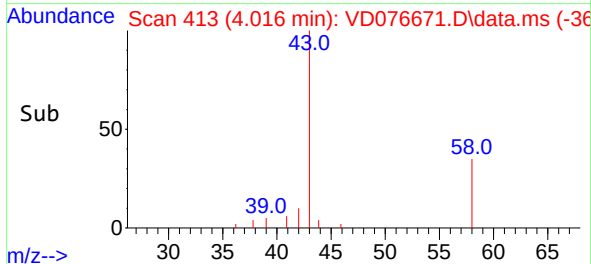
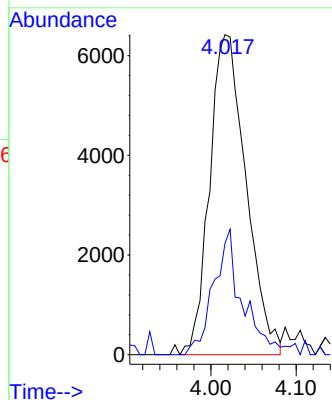
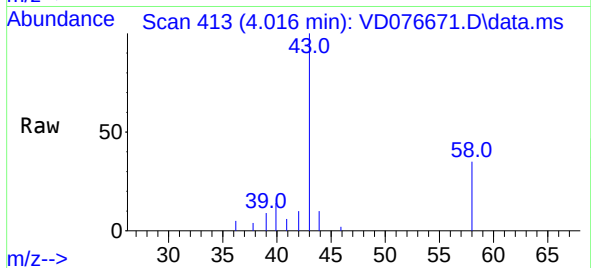
A46S9

Tgt Ion: 43 Resp: 19059

Ion Ratio Lower Upper

43 100

58 25.0 0.0 67.4



#16

Methylene chloride

Concen: 0.467 ug/L

RT: 4.793 min Scan# 545

Delta R.T. 0.006 min

Lab File: VD076671.D

Acq: 30 Jun 2023 19:14

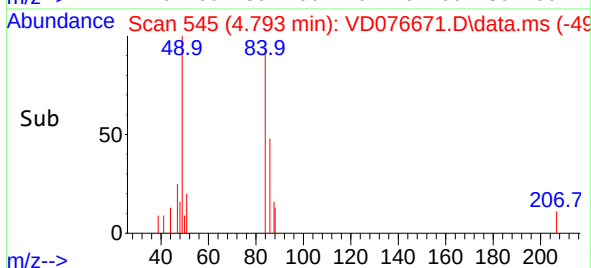
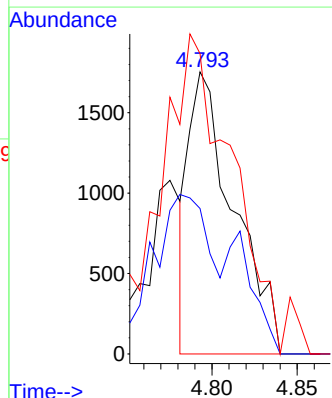
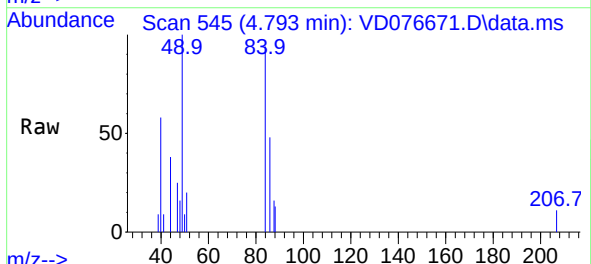
Tgt Ion: 84 Resp: 3221

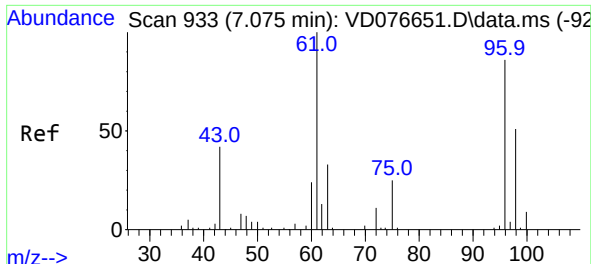
Ion Ratio Lower Upper

84 100

86 51.5 45.1 83.9

49 106.5 97.2 180.6

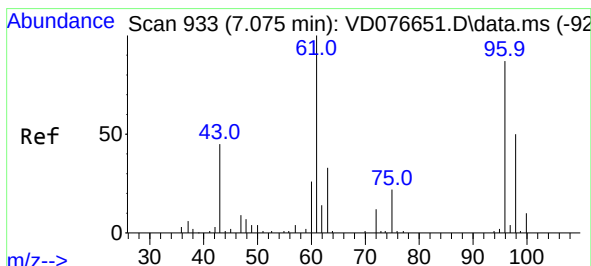
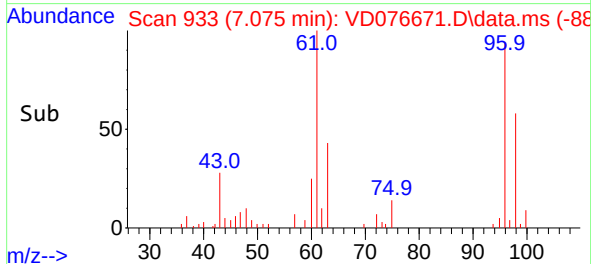
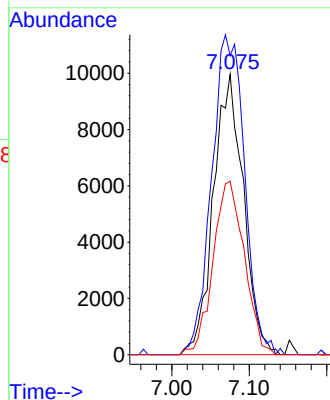
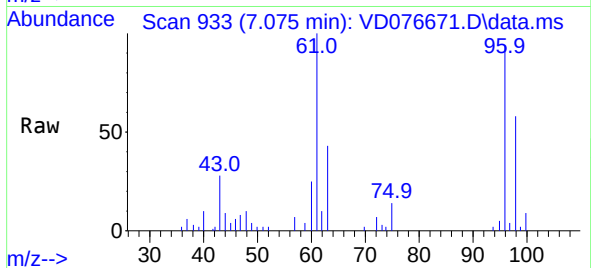




#20
cis-1,2-Dichloroethene
Concen: 4.190 ug/L
RT: 7.075 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076671.D
Acq: 30 Jun 2023 19:14

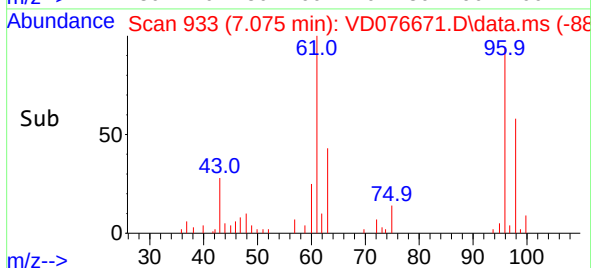
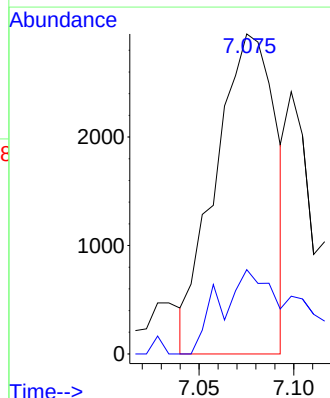
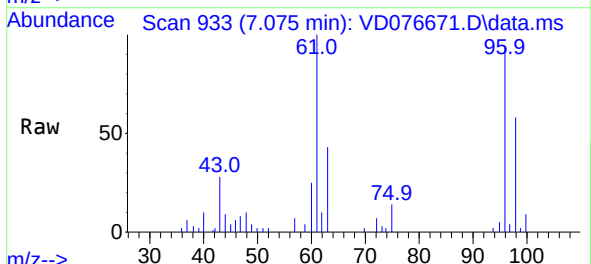
Instrument :
MSVOA_D
ClientSampleId :
A46S9

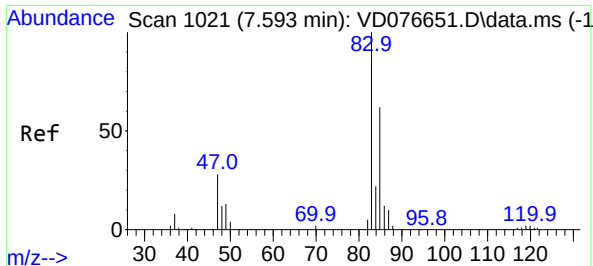
Tgt Ion: 96 Resp: 26842
Ion Ratio Lower Upper
96 100
61 106.6 86.0 159.6
98 61.8 42.2 78.4



#22
2-Butanone
Concen: 3.408 ug/L
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076671.D
Acq: 30 Jun 2023 19:14

Tgt Ion: 43 Resp: 6496
Ion Ratio Lower Upper
43 100
72 16.7 12.9 38.7





#25

Chloroform

Concen: 0.728 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076671.D

Acq: 30 Jun 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

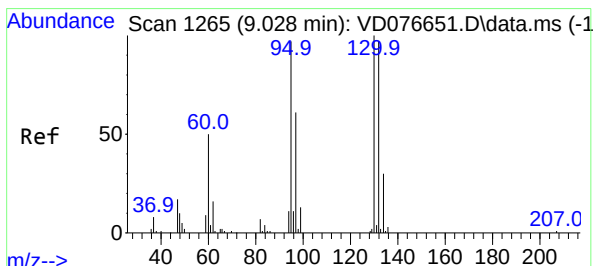
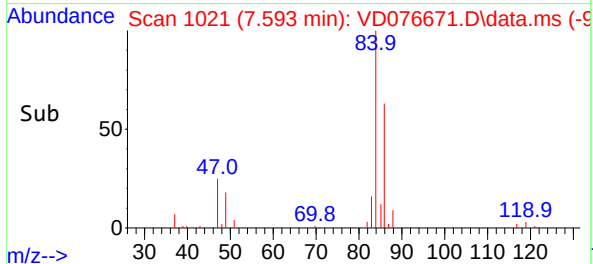
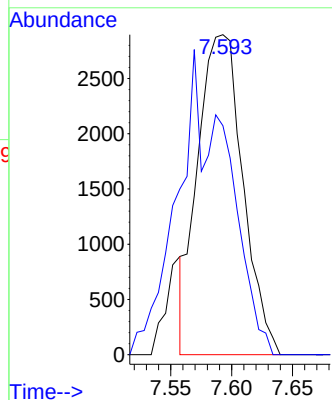
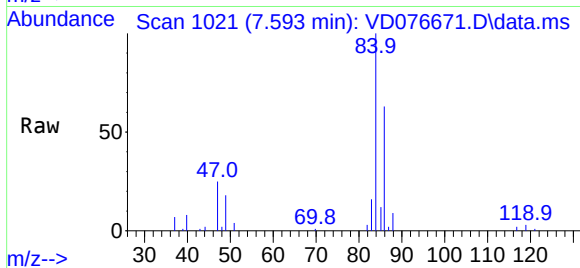
A46S9

Tgt Ion: 83 Resp: 7456

Ion Ratio Lower Upper

83 100

85 71.6 45.4 84.4



#34

Trichloroethene

Concen: 4.135 ug/L

RT: 9.022 min Scan# 1264

Delta R.T. -0.006 min

Lab File: VD076671.D

Acq: 30 Jun 2023 19:14

Tgt Ion: 95 Resp: 22844

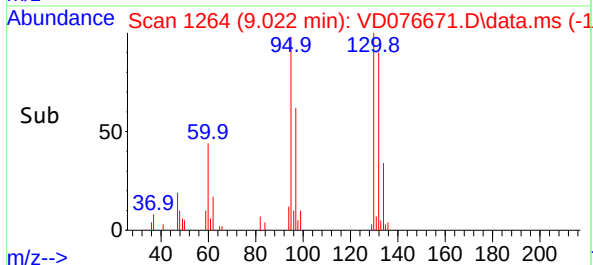
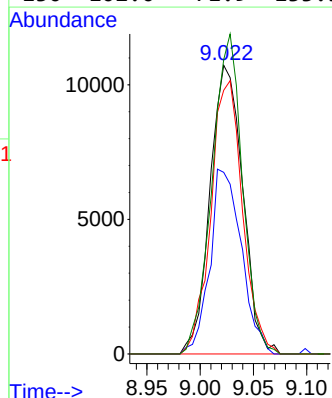
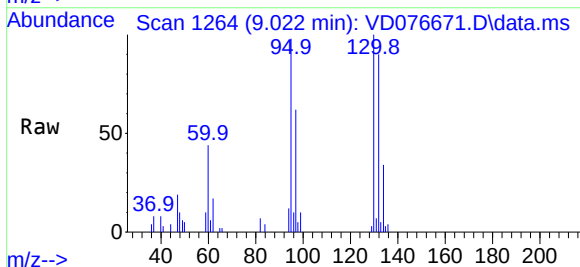
Ion Ratio Lower Upper

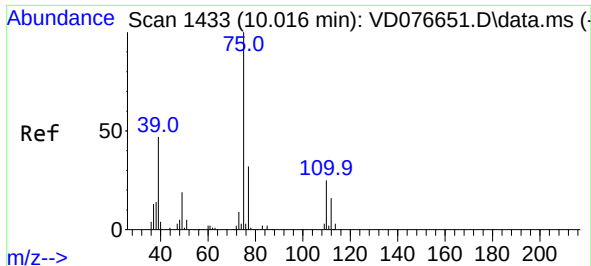
95 100

97 62.9 43.1 80.1

132 91.3 71.8 133.4

130 102.0 71.9 133.5





#39

cis-1,3-Dichloropropene

Concen: 0.504 ug/L

RT: 9.975 min Scan# 1433

Delta R.T. -0.041 min

Lab File: VD076671.D

Acq: 30 Jun 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

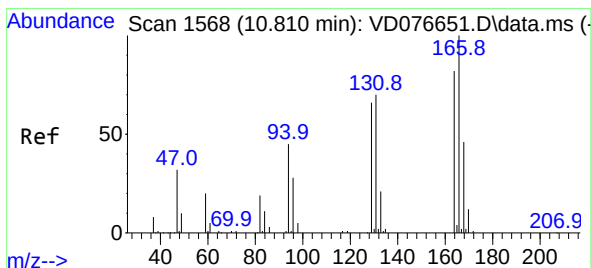
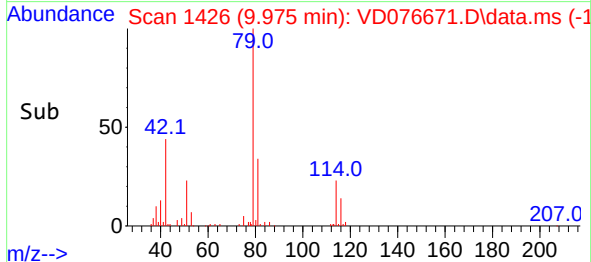
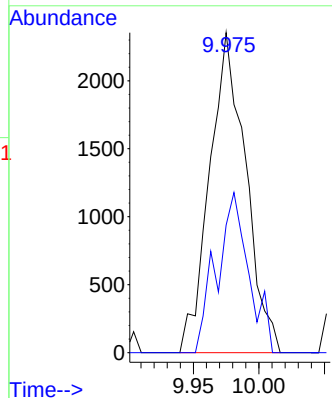
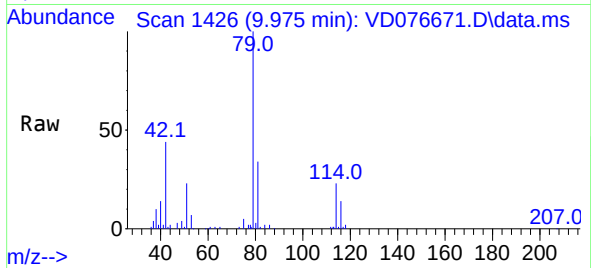
A46S9

Tgt Ion: 75 Resp: 4511

Ion Ratio Lower Upper

75 100

77 39.8 22.7 42.3



#46

Tetrachloroethene

Concen: 2.461 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD076671.D

Acq: 30 Jun 2023 19:14

Tgt Ion: 164 Resp: 10687

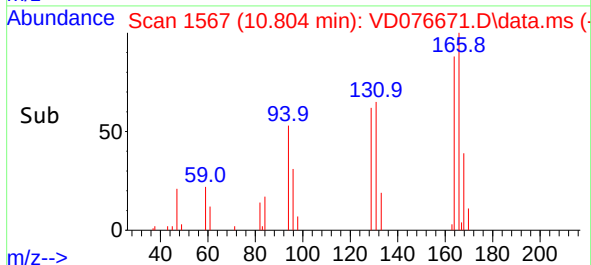
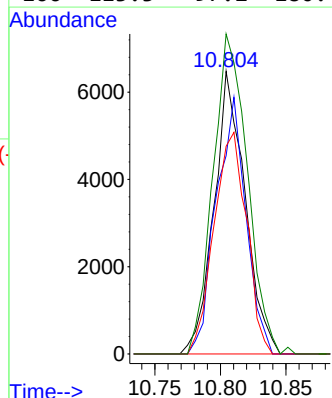
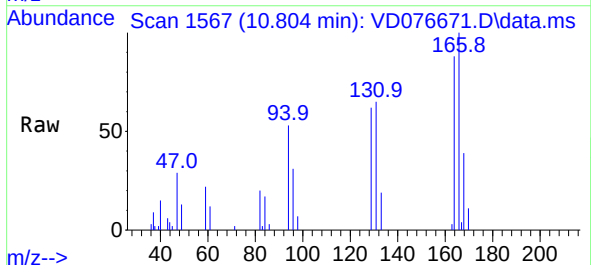
Ion Ratio Lower Upper

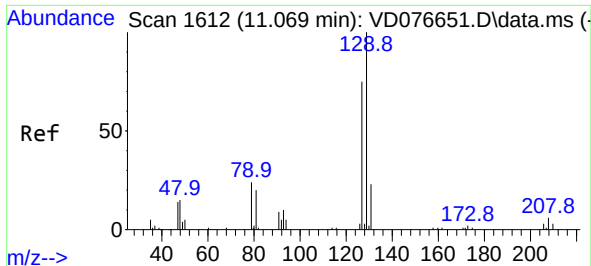
164 100

129 70.2 65.5 121.6

131 73.5 64.8 120.3

166 113.3 97.2 180.4





#49

Dibromochloromethane

Concen: 1.961 ug/L

RT: 10.810 min Scan# 11

Delta R.T. -0.265 min

Lab File: VD076671.D

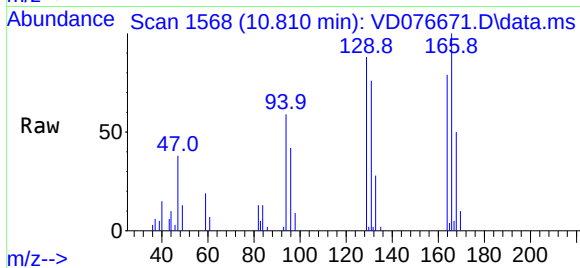
Acq: 30 Jun 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

A46S9



Tgt Ion:129 Resp: 8962

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#

