

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076661.D
 Acq On : 30 Jun 2023 14:34
 Operator : KP/SY
 Sample : 03472-16
 Misc : 4.93G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46T0

Quant Time: Jul 03 01:30:38 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	34752	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	35573	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	14682	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	8412	9.940	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	39.760%
7) Chloroethane-d5	2.793	69	9191	13.431	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.720%
11) 1,1-Dichloroethene-d2	3.911	65	2914	13.191	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.760%
21) 2-Butanone-d5	6.987	46	25107	195.885	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	391.760%#
24) Chloroform-d	7.563	84	21387	23.359	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.440%
26) 1,2-Dichloroethane-d4	8.234	65	16312	36.114	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	144.440%#
32) Benzene-d6	8.205	84	34764	15.976	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	63.920%
36) 1,2-Dichloropropane-d6	9.210	67	15240	21.941	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.760%
41) Toluene-d8	10.263	98	31001	15.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	61.560%
43) trans-1,3-Dichloroprop...	10.522	79	6467	22.384	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.520%
47) 2-Hexanone-d5	10.875	63	15071	139.777	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	279.560%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	24600	49.781	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	199.120%#
66) 1,2-Dichlorobenzene-d4	13.816	152	13509	25.102	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.400%
Target Compounds						Qvalue
5) Vinyl chloride	2.275	62	2782	2.865	ug/L	94
12) 1,1-Dichloroethene	3.905	96	151	0.335	ug/L #	1
13) Acetone	4.028	43	696	6.723	ug/L	91
15) Methyl Acetate	4.399	43	113	0.478	ug/L #	53
20) cis-1,2-Dichloroethene	7.075	96	2292	4.081	ug/L #	88
22) 2-Butanone	7.087	43	674	4.034	ug/L	95
25) Chloroform	7.605	83	372	0.415	ug/L	92
27) 1,2-Dichloroethane	8.216	62	190	0.344	ug/L #	71
34) Trichloroethene	9.016	95	452	0.747	ug/L	84
35) Methylcyclohexane	9.205	83	3505	3.594	ug/L #	19
37) 1,2-Dichloropropane	9.205	63	1245	1.940	ug/L #	88
39) cis-1,3-Dichloropropene	9.981	75	569	0.581	ug/L #	82
44) trans-1,3-Dichloropropene	10.522	75	340	0.427	ug/L #	70
46) Tetrachloroethene	10.810	164	143	0.301	ug/L #	49
49) Dibromochloromethane	10.804	129	427	0.853	ug/L #	10
57) 1,1,2,2-Tetrachloroethane	12.663	83	219	0.435	ug/L #	62
61) 1,2,3-Trichloropropane	13.516	75	2488	8.732	ug/L #	50

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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

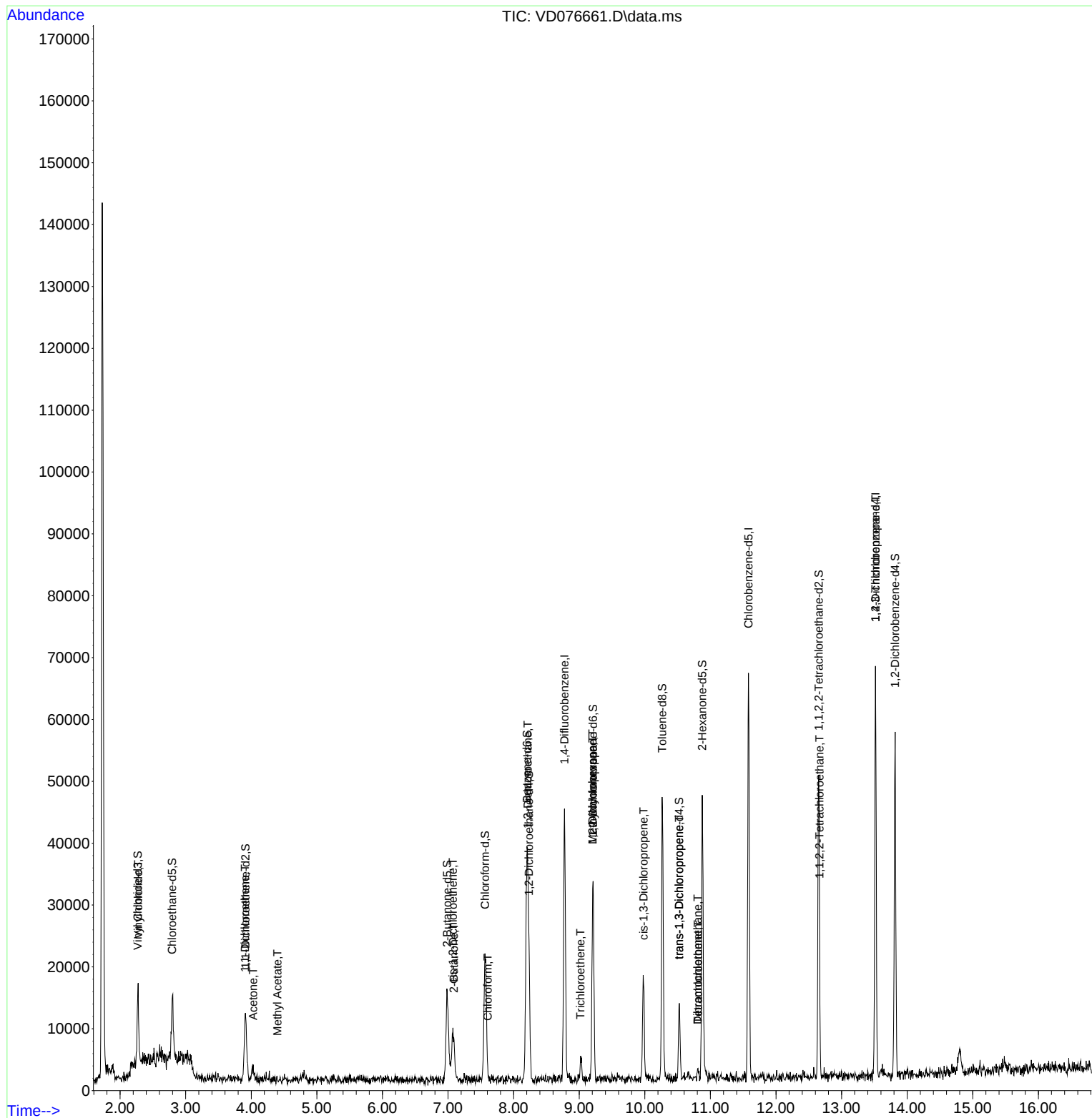
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

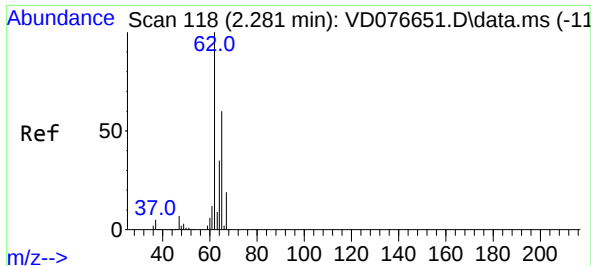
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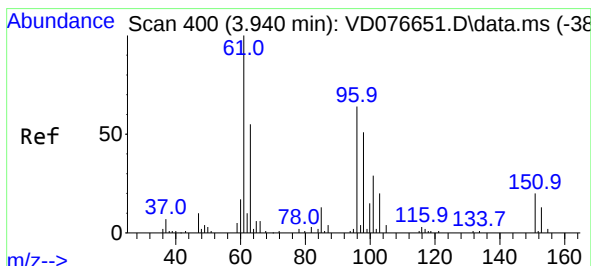
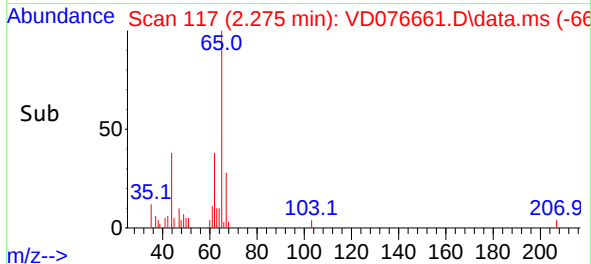
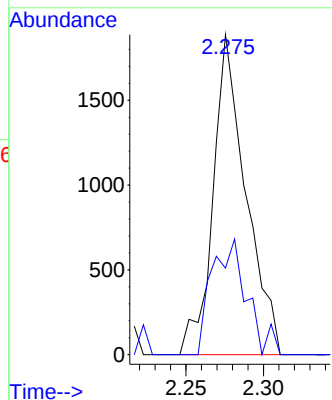
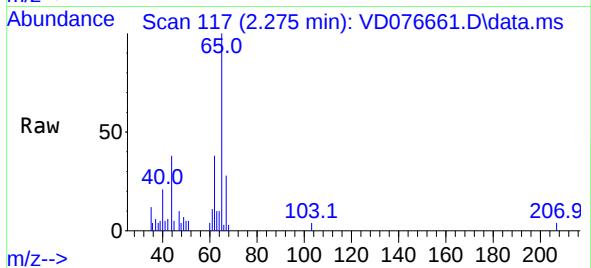




#5
Vinyl chloride
Concen: 2.865 ug/L
RT: 2.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

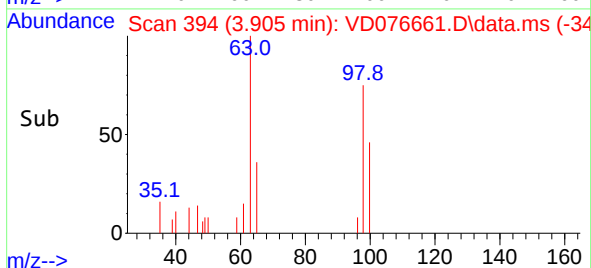
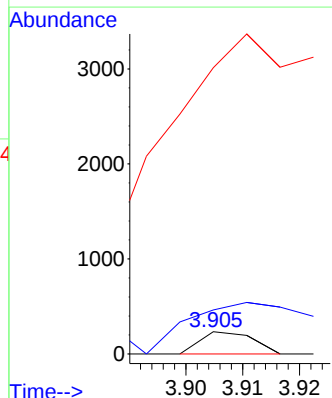
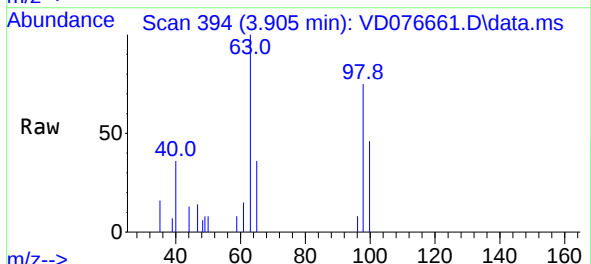
Instrument :
MSVOA_D
ClientSampleId :
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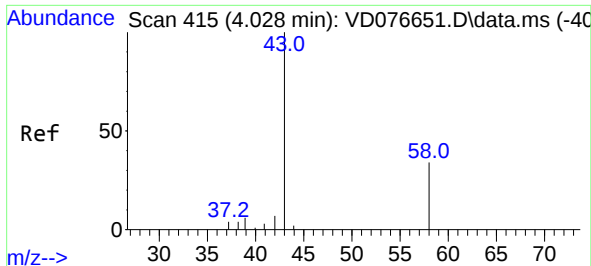
Tgt Ion: 62 Resp: 2782
Ion Ratio Lower Upper
62 100
64 27.0 21.1 39.1



#12
1,1-Dichloroethene
Concen: 0.335 ug/L
RT: 3.905 min Scan# 394
Delta R.T. -0.024 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Tgt Ion: 96 Resp: 151
Ion Ratio Lower Upper
96 100
61 197.9 113.0 209.8
63 1287.2 83.6 155.2#

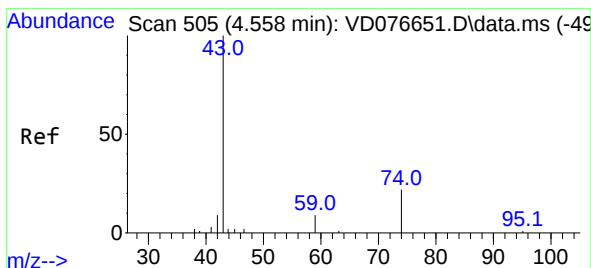
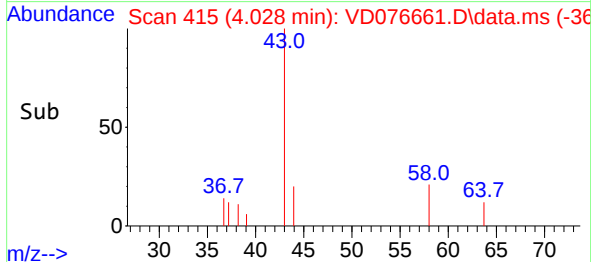
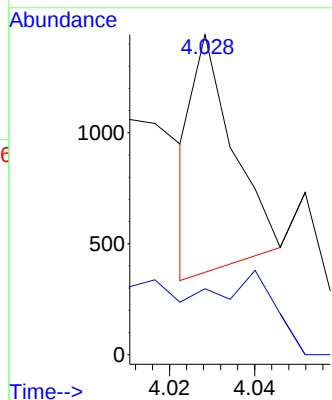
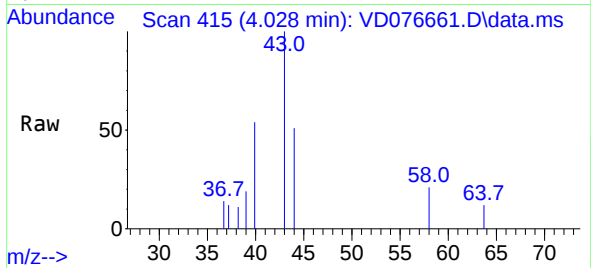




#13
Acetone
Concen: 6.723 ug/L
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

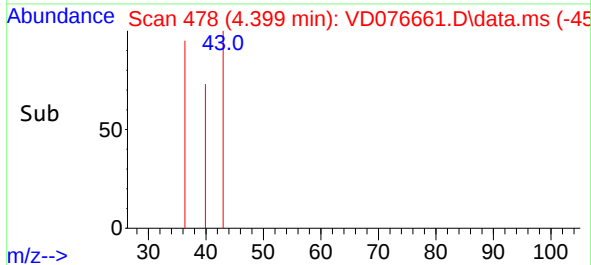
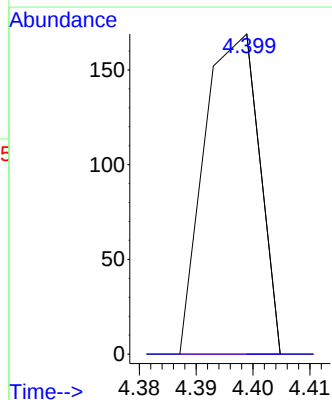
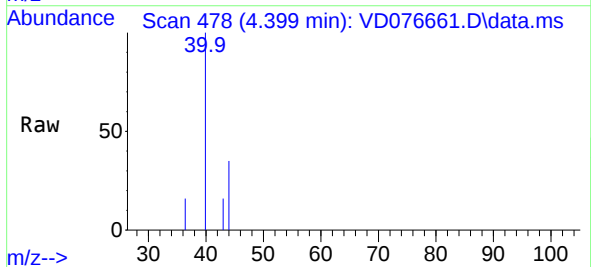
Instrument :
MSVOA_D
ClientSampleId :
A46T0

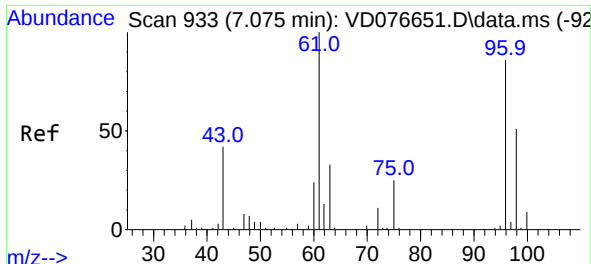
Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
58 28.6 0.0 67.4



#15
Methyl Acetate
Concen: 0.478 ug/L
RT: 4.399 min Scan# 478
Delta R.T. -0.159 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#

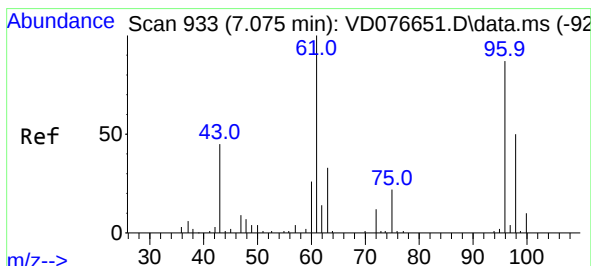
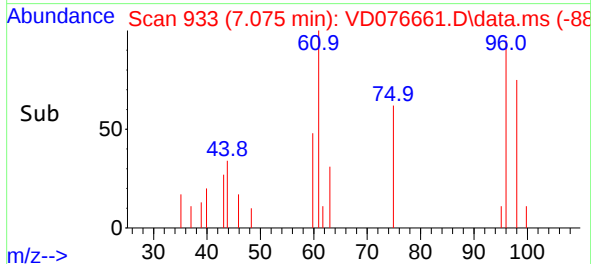
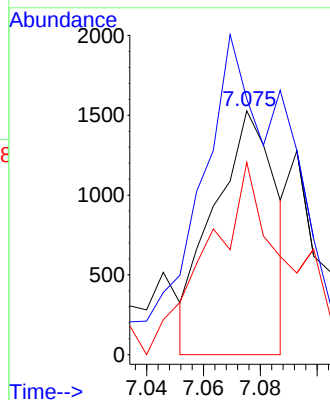
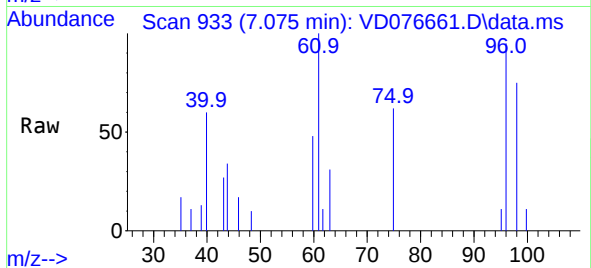




#20
 cis-1,2-Dichloroethene
 Concen: 4.081 ug/L
 RT: 7.075 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD076661.D
 Acq: 30 Jun 2023 14:34

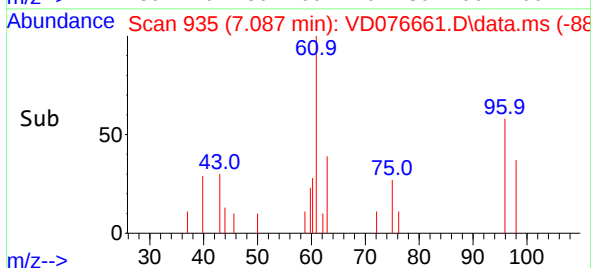
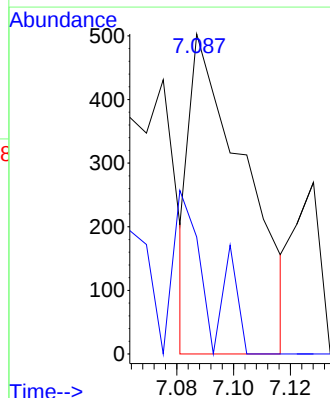
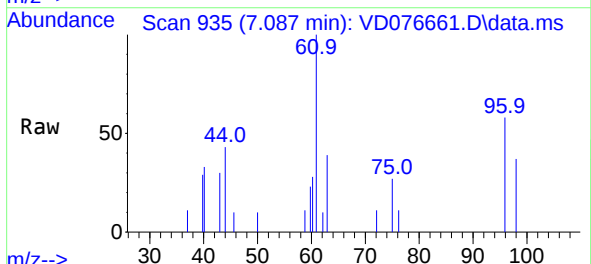
Instrument :
 MSVOA_D
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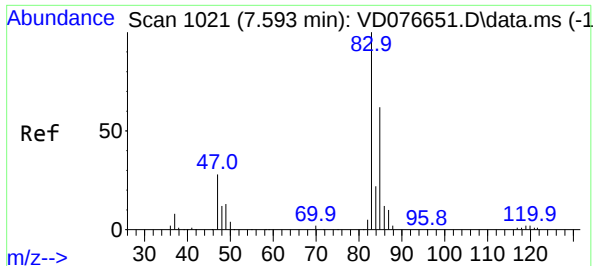
Tgt Ion: 96 Resp: 2292
 Ion Ratio Lower Upper
 96 100
 61 116.8 86.0 159.6
 98 78.9 42.2 78.4#



#22
 2-Butanone
 Concen: 4.034 ug/L
 RT: 7.087 min Scan# 935
 Delta R.T. 0.006 min
 Lab File: VD076661.D
 Acq: 30 Jun 2023 14:34

Tgt Ion: 43 Resp: 674
 Ion Ratio Lower Upper
 43 100
 72 23.1 12.9 38.7

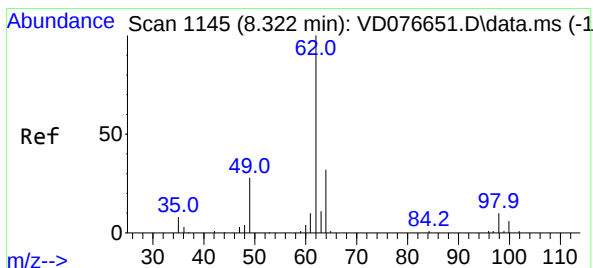
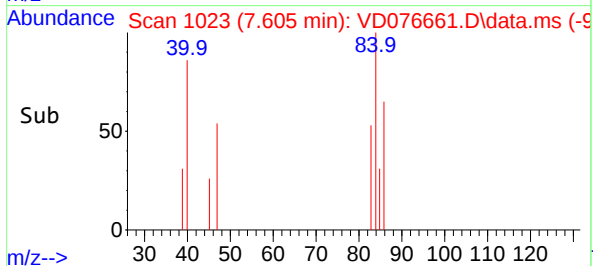
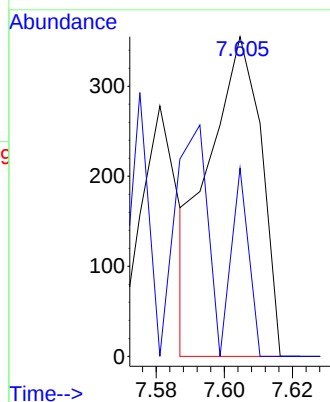
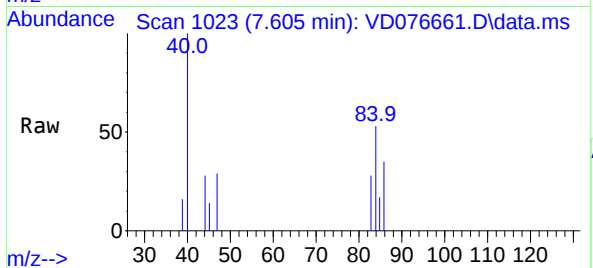




#25
Chloroform
Concen: 0.415 ug/L
RT: 7.605 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

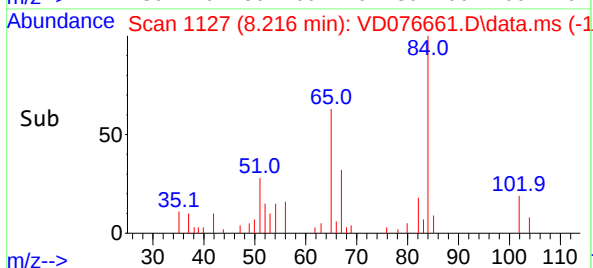
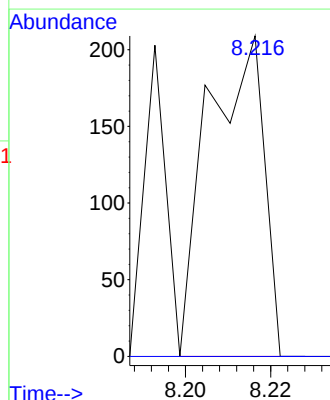
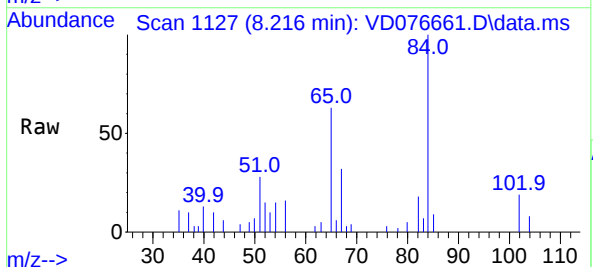
Instrument :
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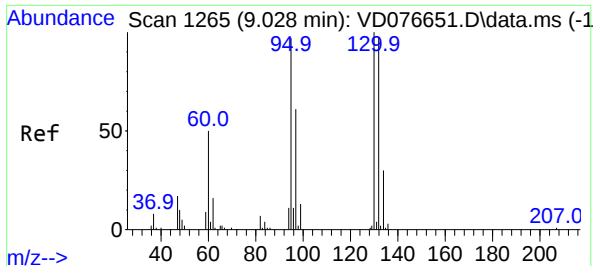
Tgt Ion: 83 Resp: 372
Ion Ratio Lower Upper
83 100
85 58.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.344 ug/L
RT: 8.216 min Scan# 1127
Delta R.T. -0.106 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Tgt Ion: 62 Resp: 190
Ion Ratio Lower Upper
62 100
98 0.0 8.7 13.1#





#34

Trichloroethene

Concen: 0.747 ug/L

RT: 9.016 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD076661.D

Acq: 30 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

A46T0

Tgt Ion: 95 Resp: 452

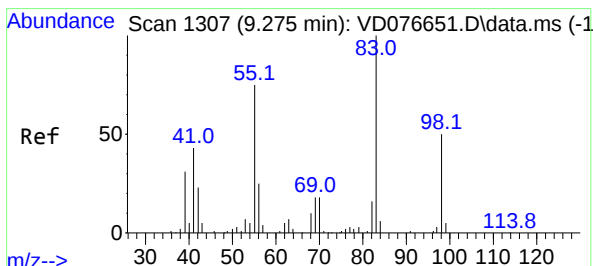
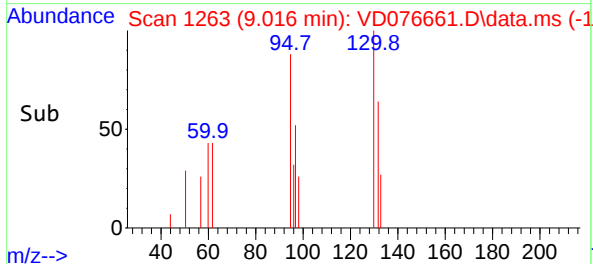
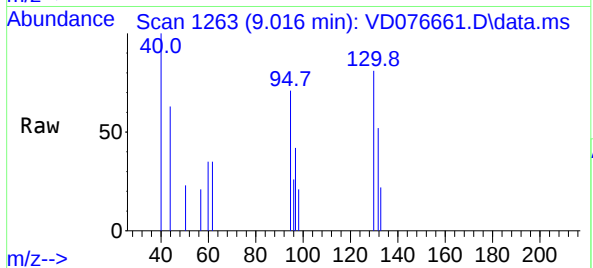
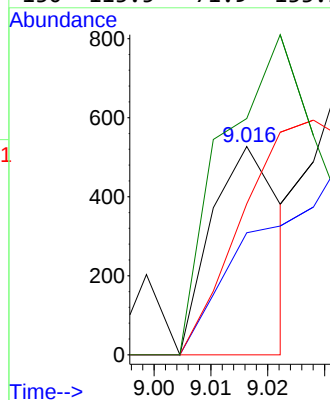
Ion Ratio Lower Upper

95 100

97 58.6 43.1 80.1

132 72.5 71.8 133.4

130 113.5 71.9 133.5



#35

Methylcyclohexane

Concen: 3.594 ug/L

RT: 9.205 min Scan# 1295

Delta R.T. -0.065 min

Lab File: VD076661.D

Acq: 30 Jun 2023 14:34

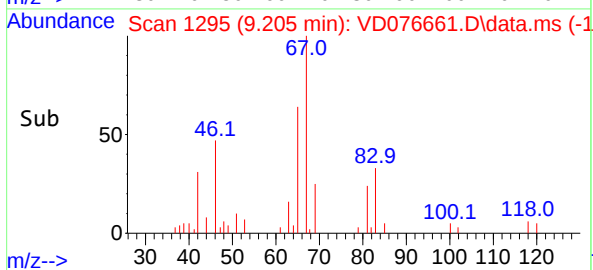
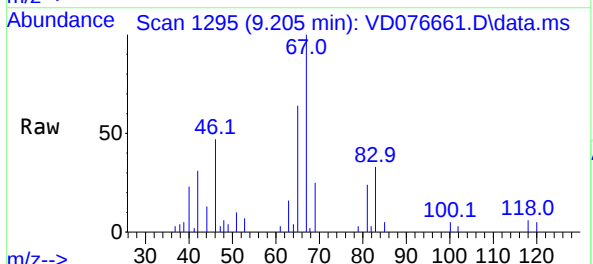
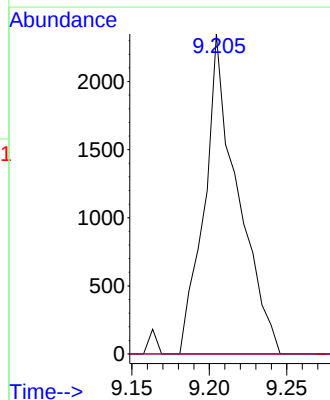
Tgt Ion: 83 Resp: 3505

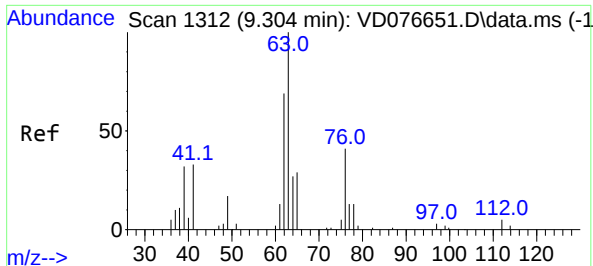
Ion Ratio Lower Upper

83 100

55 0.0 59.8 89.6#

98 0.0 37.8 56.6#

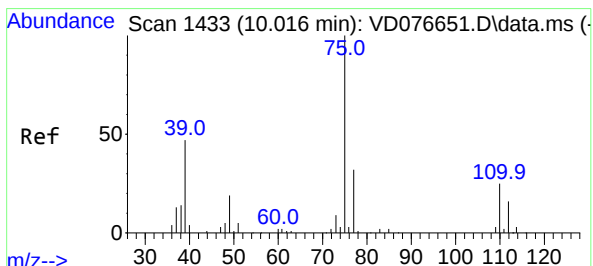
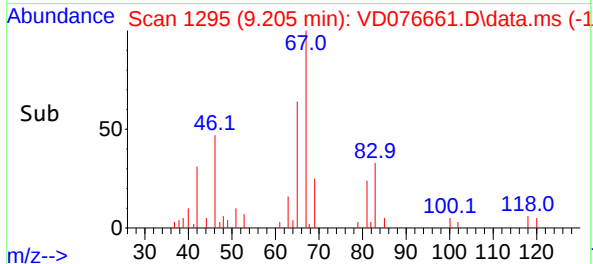
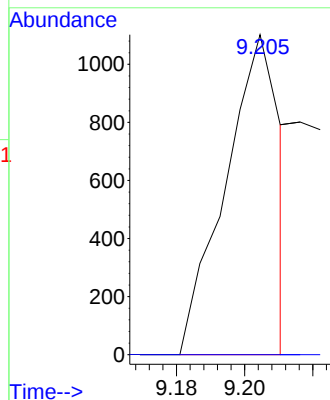
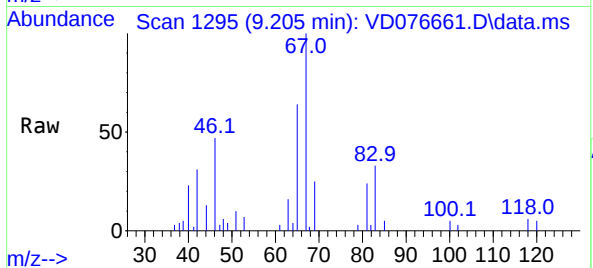




#37
1,2-Dichloropropane
Concen: 1.940 ug/L
RT: 9.205 min Scan# 11
Delta R.T. -0.100 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

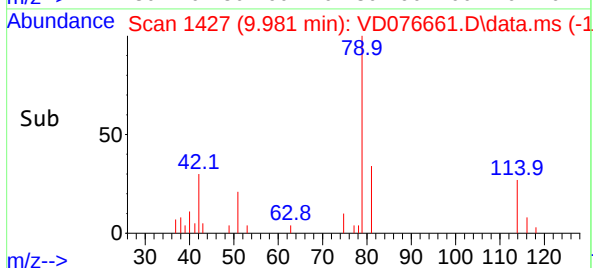
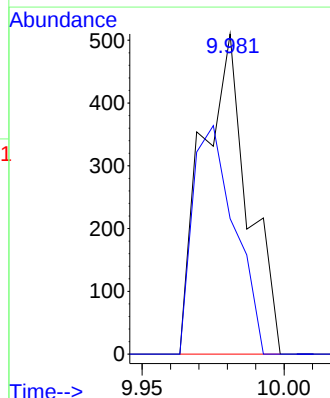
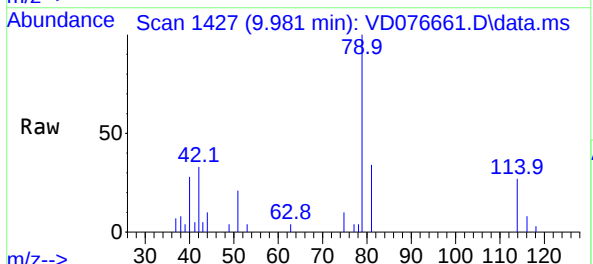
Instrument :
MSVOA_D
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A46T0

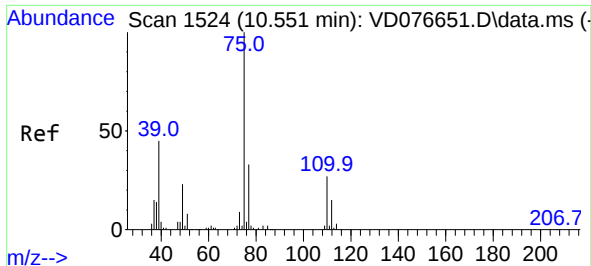
Tgt Ion: 63 Resp: 1245
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#39
cis-1,3-Dichloropropene
Concen: 0.581 ug/L
RT: 9.981 min Scan# 1427
Delta R.T. -0.035 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Tgt Ion: 75 Resp: 569
Ion Ratio Lower Upper
75 100
77 42.4 22.7 42.3#

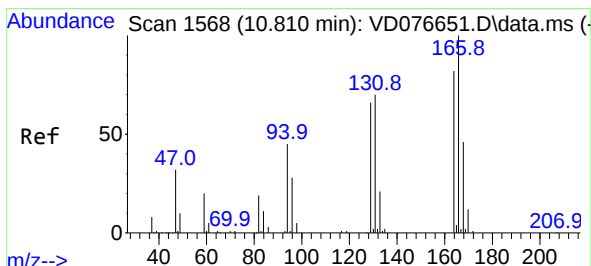
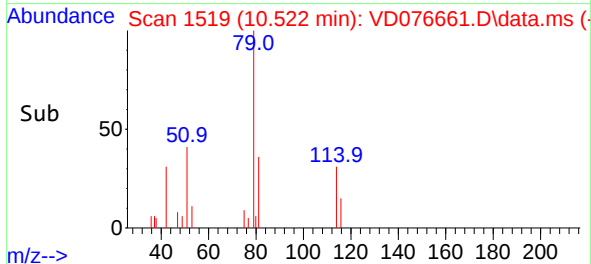
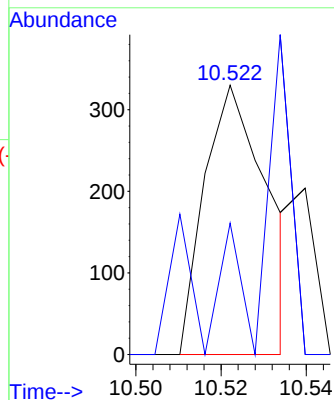
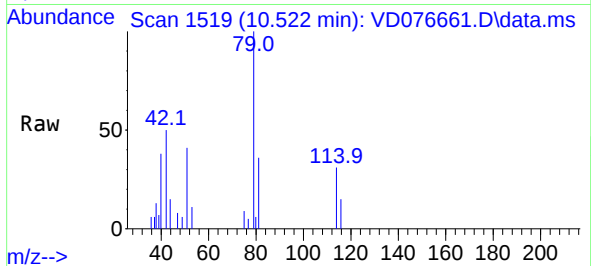




#44
trans-1,3-Dichloropropene
Concen: 0.427 ug/L
RT: 10.522 min Scan# 1519
Delta R.T. -0.029 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

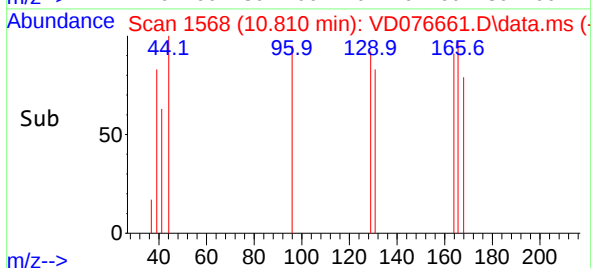
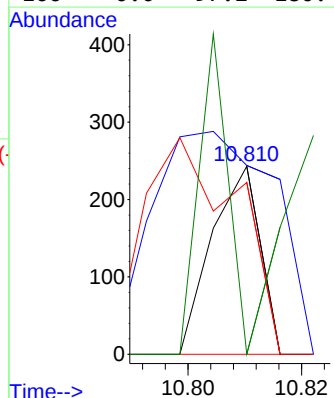
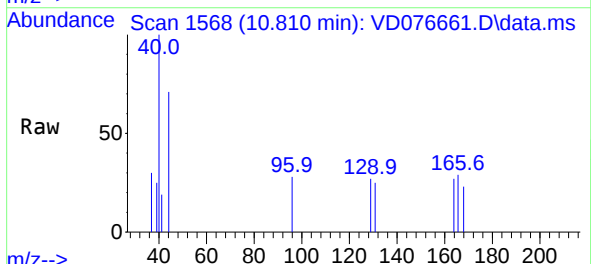
Instrument :
MSVOA_D
ClientSampleId :
A46T0

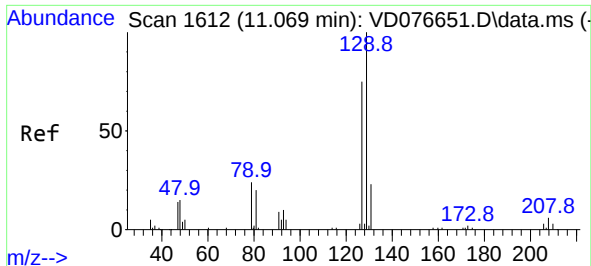
Tgt Ion: 75 Resp: 340
Ion Ratio Lower Upper
75 100
77 48.8 22.5 41.7#



#46
Tetrachloroethene
Concen: 0.301 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Tgt Ion: 164 Resp: 143
Ion Ratio Lower Upper
164 100
129 100.4 65.5 121.6
131 91.4 64.8 120.3
166 0.0 97.2 180.4#

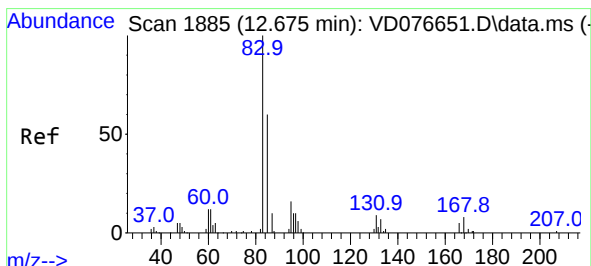
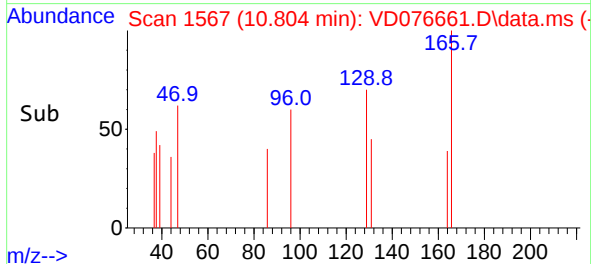
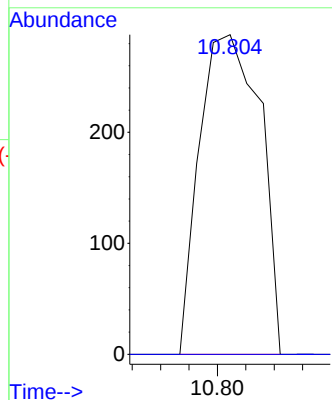
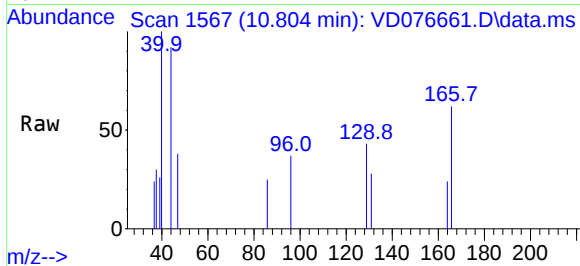




#49
Dibromochloromethane
Concen: 0.853 ug/L
RT: 10.804 min Scan# 11
Delta R.T. -0.271 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

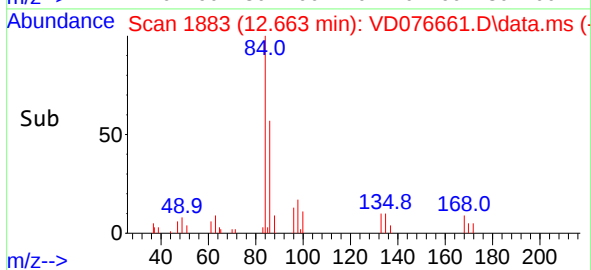
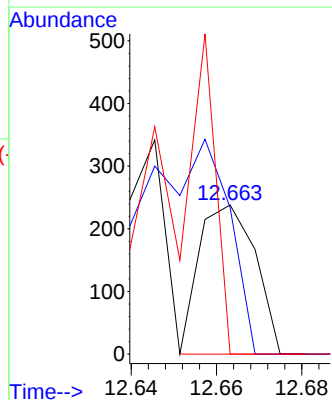
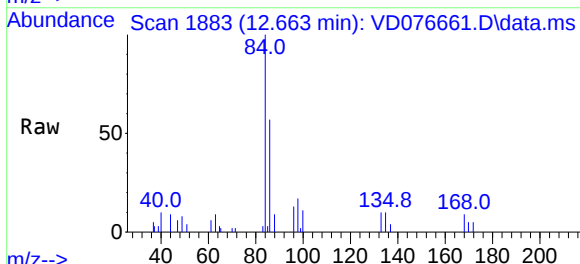
Instrument :
MSVOA_D
ClientSampleId :
A46T0

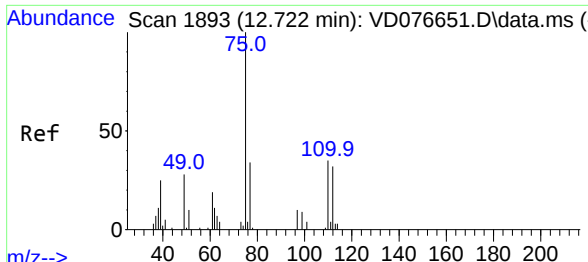
Tgt Ion:129 Resp: 427
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#



#57
1,1,2,2-Tetrachloroethane
Concen: 0.435 ug/L
RT: 12.663 min Scan# 1883
Delta R.T. -0.012 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Tgt Ion: 83 Resp: 219
Ion Ratio Lower Upper
83 100
85 98.3 46.3 86.1#
131 0.0 7.0 10.4#





#61
1,2,3-Trichloropropane
Concen: 8.732 ug/L
RT: 13.516 min Scan# 20
Delta R.T. 0.788 min
Lab File: VD076661.D
Acq: 30 Jun 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :
A46T0

Tgt Ion: 75	Resp:	2488
Ion	Ratio	Lower Upper
75	100	
77	15.3	27.2 40.8#
110	0.0	31.8 47.6#

