

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029847.D
 Acq On : 14 Jan 2023 10:31
 Operator : SY/MD
 Sample : 01149-04DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COL54DL

Quant Time: Jan 16 00:39:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

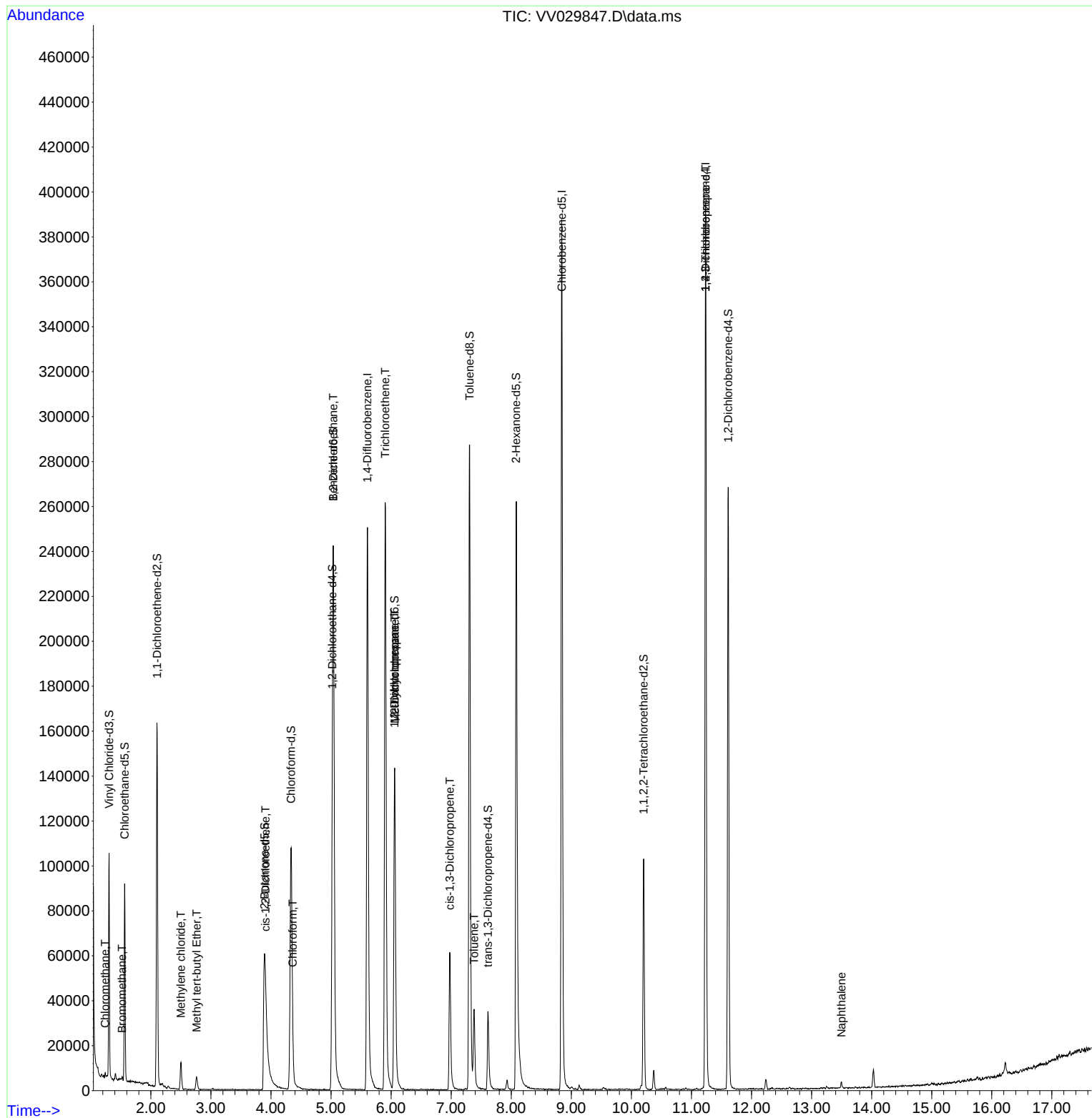
Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	235946	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	229027	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	110624	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	60396	3.375	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.400%
7) Chloroethane-d5	1.565	69	56922	3.837	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.800%
11) 1,1-Dichloroethene-d2	2.101	63	83898	2.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.400%#
20) 2-Butanone-d5	3.892	46	115900	36.539	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.080%
24) Chloroform-d	4.333	84	121233	3.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
26) 1,2-Dichloroethane-d4	5.021	65	54334	3.908	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
32) Benzene-d6	5.037	84	240394	3.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.800%
36) 1,2-Dichloropropane-d6	6.056	67	77249	3.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.800%
41) Toluene-d8	7.304	98	207111	3.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.800%#
43) trans-1,3-Dichloroprop...	7.612	79	23157	3.189	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.082	63	105493	35.685	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.360%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	51332	3.523	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	74010	3.680	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.600%#
Target Compounds						Qvalue
3) Chloromethane	1.240	50	1472	0.064	ug/L	94
6) Bromomethane	1.520	94	515	0.047	ug/L	87
16) Methylene chloride	2.500	84	5256	0.210	ug/L	90
17) Methyl tert-butyl Ether	2.761	73	4808	0.138	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	5030	0.252	ug/L	98
25) Chloroform	4.362	83	2790	0.082	ug/L	93
27) 1,2-Dichloroethane	5.037	62	1204	0.073	ug/L #	71
34) Trichloroethene	5.902	95	99978	5.210	ug/L	96
35) Methylcyclohexane	6.060	83	17967	0.555	ug/L #	21
37) 1,2-Dichloropropane	6.060	63	7801	0.440	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	1603	0.067	ug/L #	64
42) Toluene	7.381	91	28060	0.344	ug/L	98
61) 1,2,3-Trichloropropane	11.236	75	11924	1.456	ug/L #	66
71) Naphthalene	13.497	128	2564	0.088	ug/L #	88

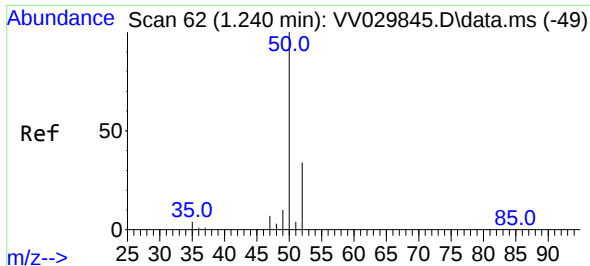
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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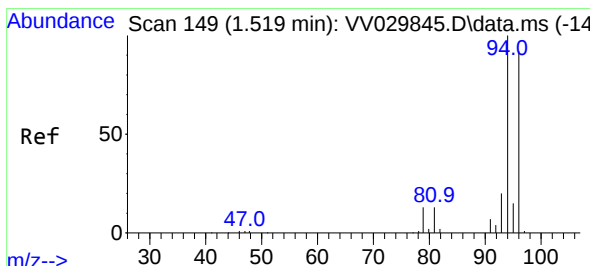
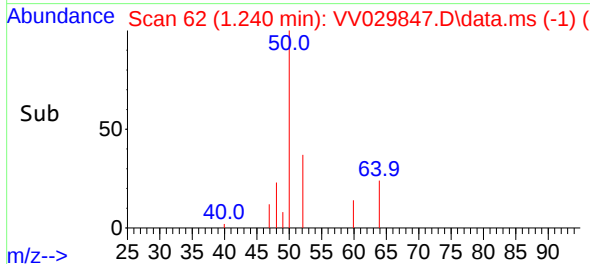
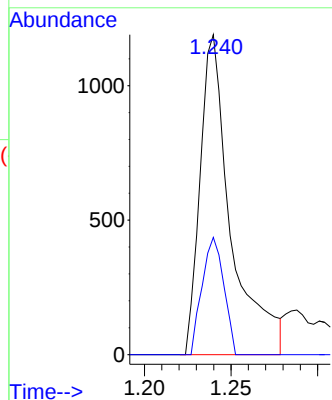
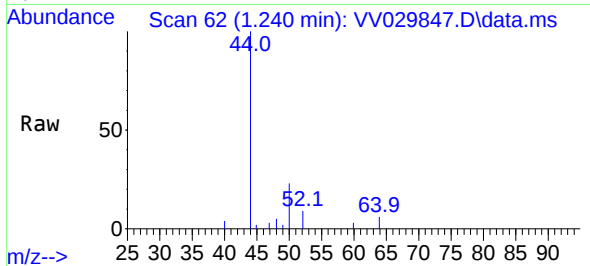




#3
Chloromethane
Concen: 0.064 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

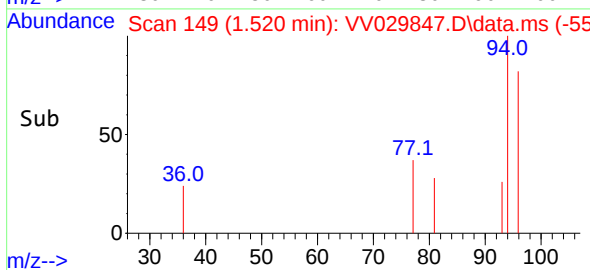
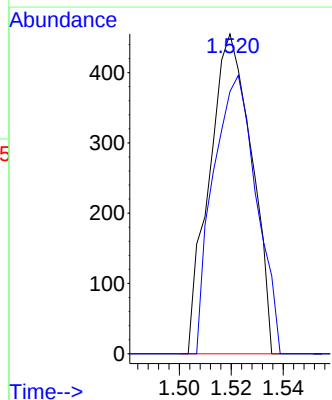
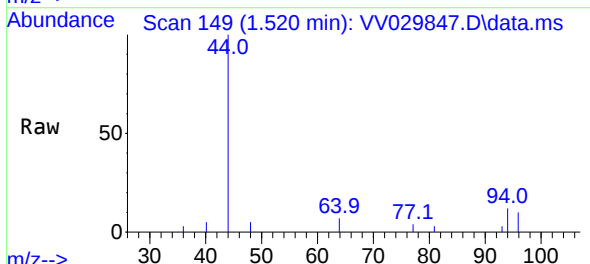
Instrument :
MSVOA_V
ClientSampleId :
COL54DL

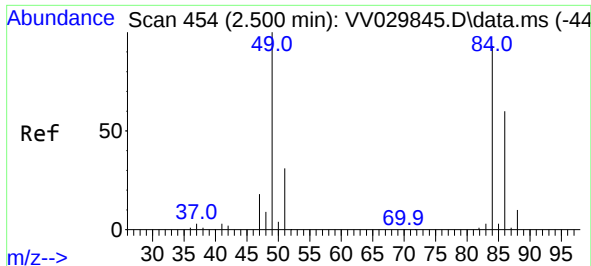
Tgt Ion: 50 Resp: 1472
Ion Ratio Lower Upper
50 100
52 36.6 23.1 42.9



#6
Bromomethane
Concen: 0.047 ug/L
RT: 1.520 min Scan# 149
Delta R.T. 0.003 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

Tgt Ion: 94 Resp: 515
Ion Ratio Lower Upper
94 100
96 82.0 65.9 122.5

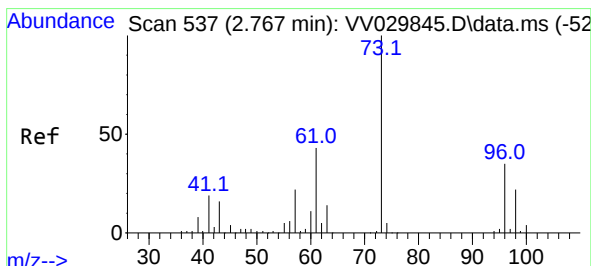
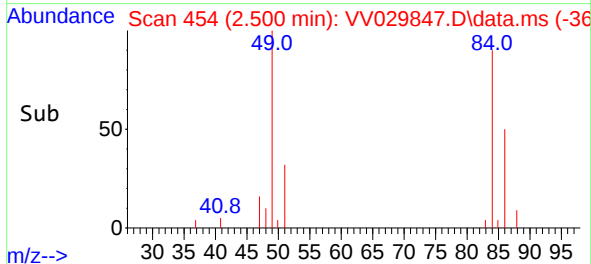
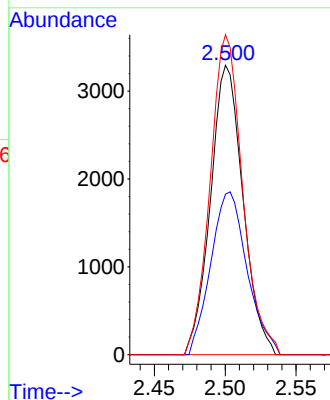
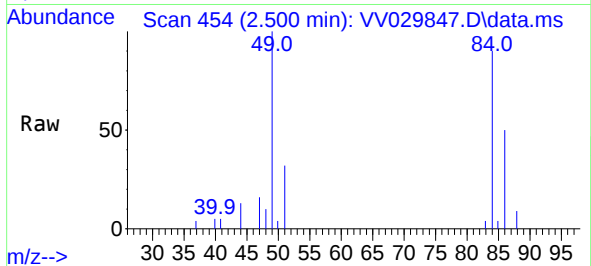




#16
Methylene chloride
Concen: 0.210 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

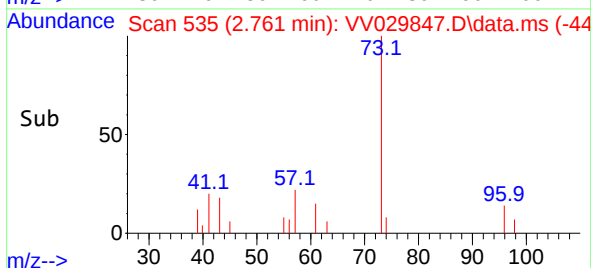
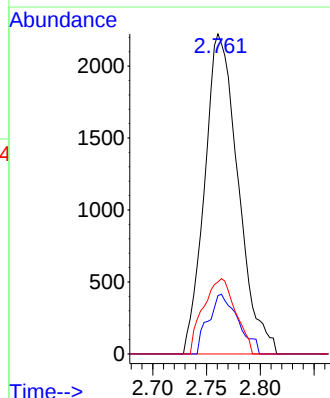
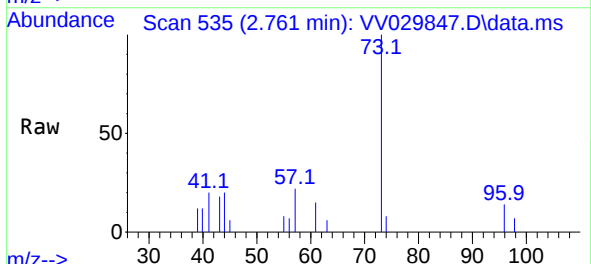
Instrument :
MSVOA_V
ClientSampleId :
COL54DL

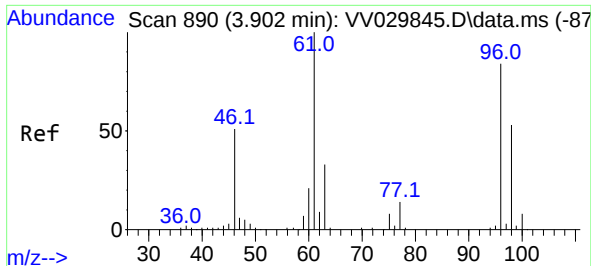
Tgt Ion: 84 Resp: 5256
Ion Ratio Lower Upper
84 100
86 55.4 45.0 83.6
49 110.6 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.138 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

Tgt Ion: 73 Resp: 4808
Ion Ratio Lower Upper
73 100
43 16.5 13.0 19.4
57 22.6 17.1 25.7

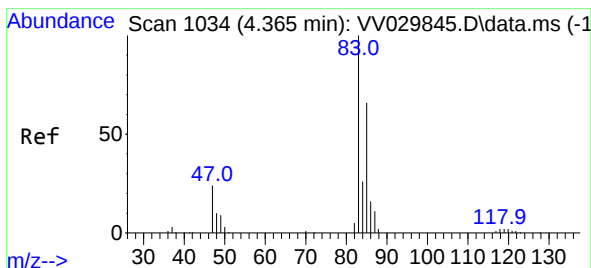
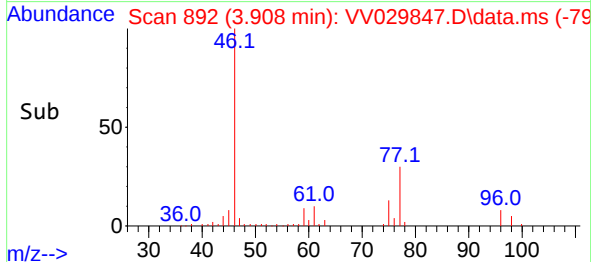
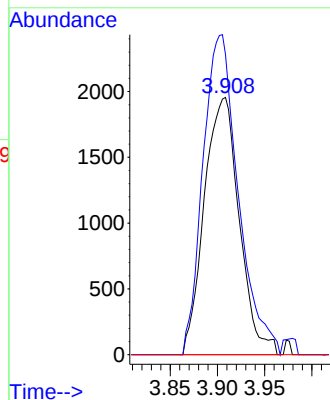
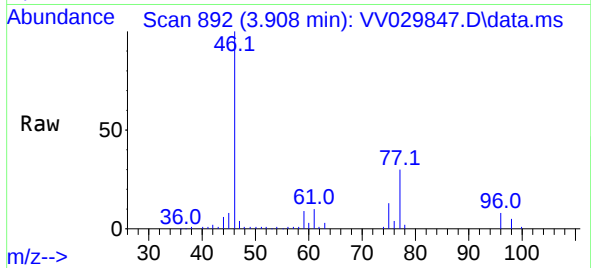




#22
 cis-1,2-Dichloroethene
 Concen: 0.252 ug/L
 RT: 3.908 min Scan# 890
 Delta R.T. 0.010 min
 Lab File: VV029847.D
 Acq: 14 Jan 2023 10:31

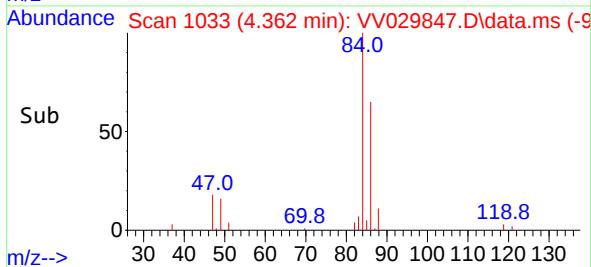
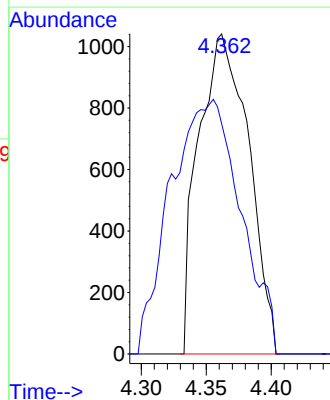
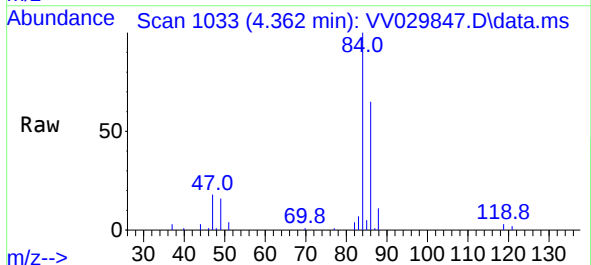
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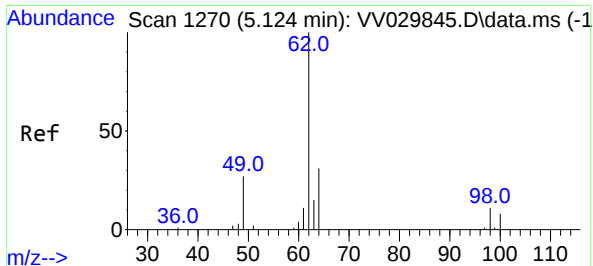
Tgt Ion: 96 Resp: 5030
 Ion Ratio Lower Upper
 96 100
 61 116.7 80.0 148.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.082 ug/L
 RT: 4.362 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VV029847.D
 Acq: 14 Jan 2023 10:31

Tgt Ion: 83 Resp: 2790
 Ion Ratio Lower Upper
 83 100
 85 72.0 46.5 86.5

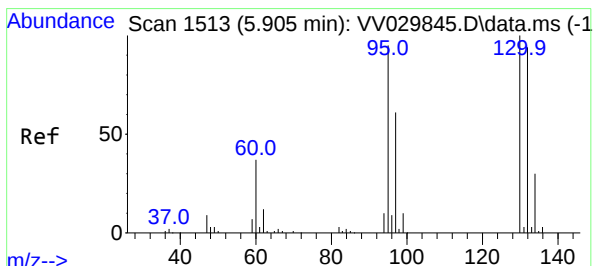
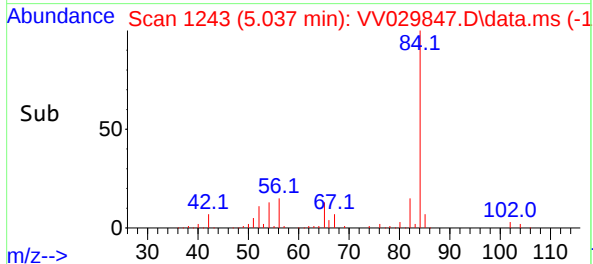
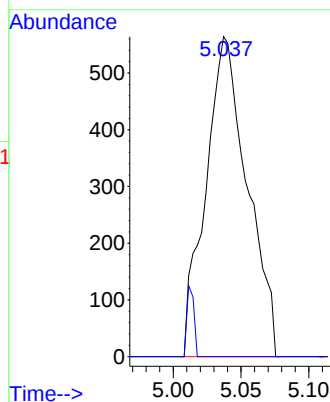
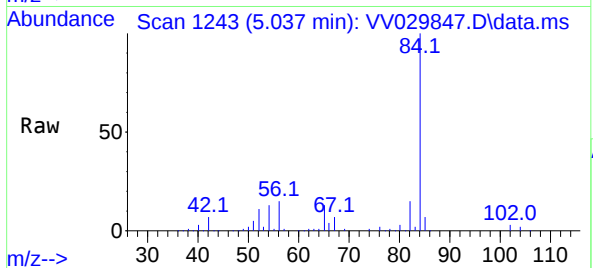




#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.037 min Scan# 11
Delta R.T. -0.084 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

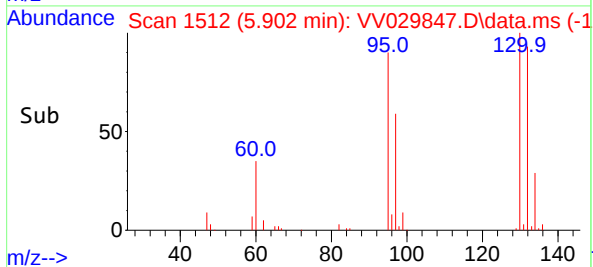
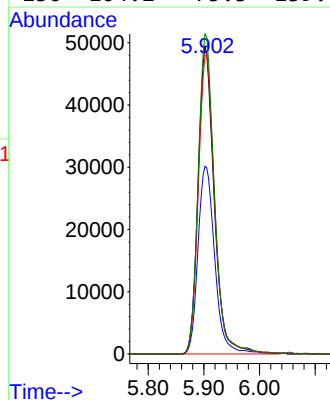
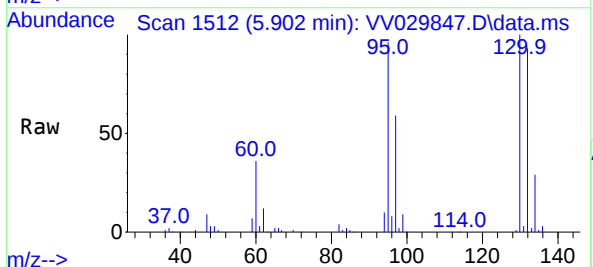
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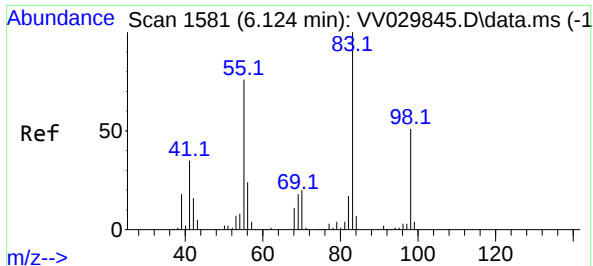
Tgt Ion: 62 Resp: 1204
Ion Ratio Lower Upper
62 100
98 0.0 8.9 13.3#



#34
Trichloroethene
Concen: 5.210 ug/L
RT: 5.902 min Scan# 1512
Delta R.T. -0.003 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

Tgt Ion: 95 Resp: 99978
Ion Ratio Lower Upper
95 100
97 61.1 44.9 83.3
132 97.0 71.8 133.4
130 104.2 75.3 139.8





#35

Methylcyclohexane

Concen: 0.555 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. -0.061 min

Lab File: VV029847.D

Acq: 14 Jan 2023 10:31

Instrument :

MSVOA_V

ClientSampleId :

C0L54DL

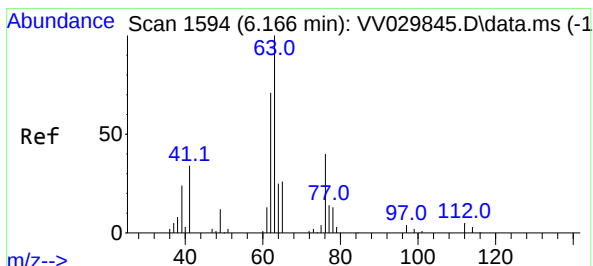
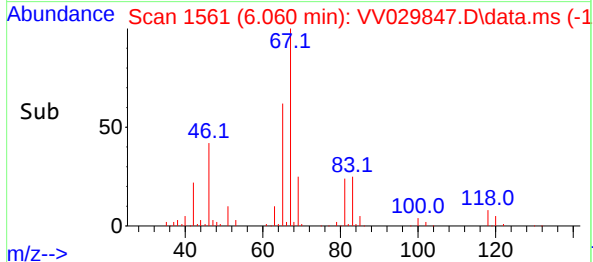
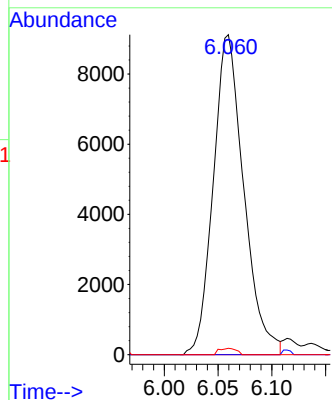
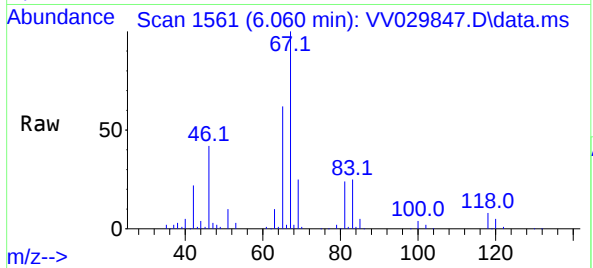
Tgt Ion: 83 Resp: 17967

Ion Ratio Lower Upper

83 100

55 0.4 57.3 85.9#

98 1.1 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.440 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. -0.103 min

Lab File: VV029847.D

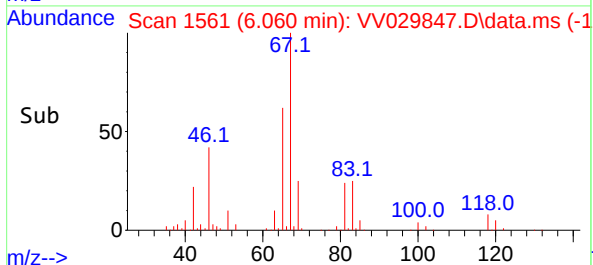
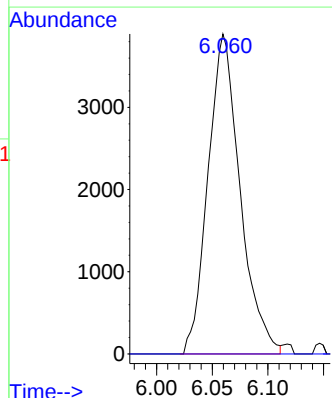
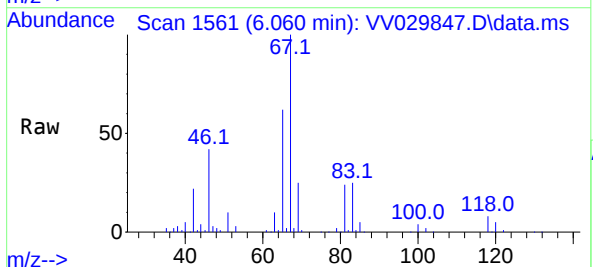
Acq: 14 Jan 2023 10:31

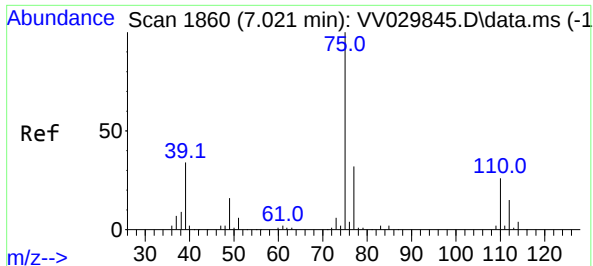
Tgt Ion: 63 Resp: 7801

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029847.D

Acq: 14 Jan 2023 10:31

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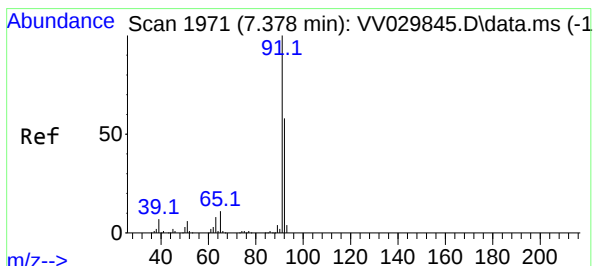
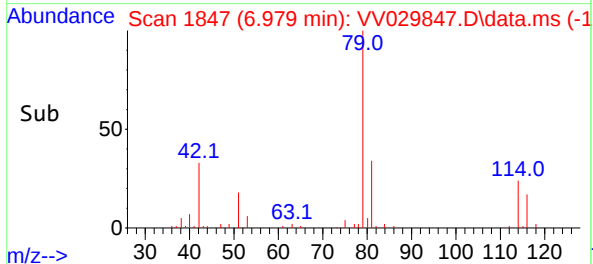
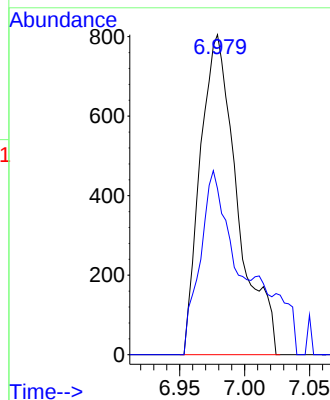
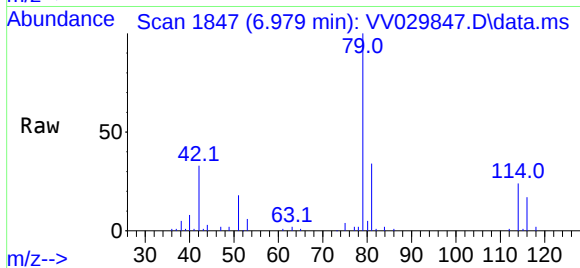
COL54DL

Tgt Ion: 75 Resp: 1603

Ion Ratio Lower Upper

75 100

77 51.9 22.4 41.6#



#42

Toluene

Concen: 0.344 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV029847.D

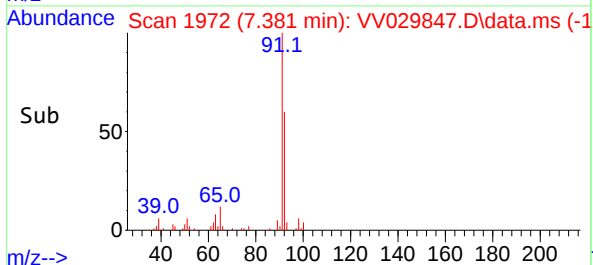
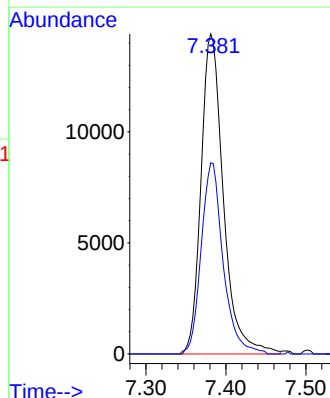
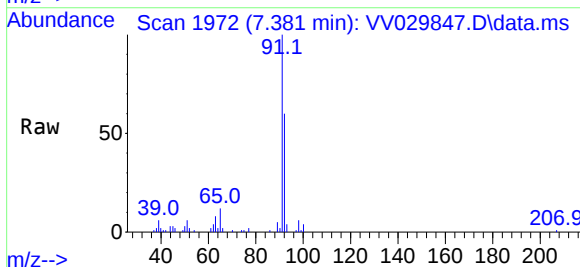
Acq: 14 Jan 2023 10:31

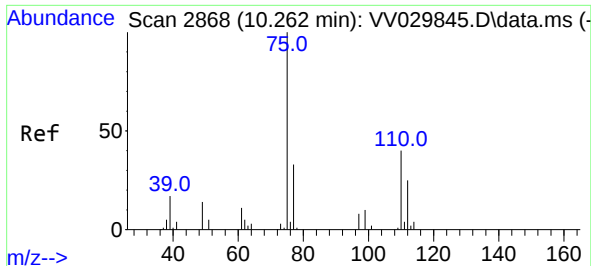
Tgt Ion: 91 Resp: 28060

Ion Ratio Lower Upper

91 100

92 59.7 40.6 75.4

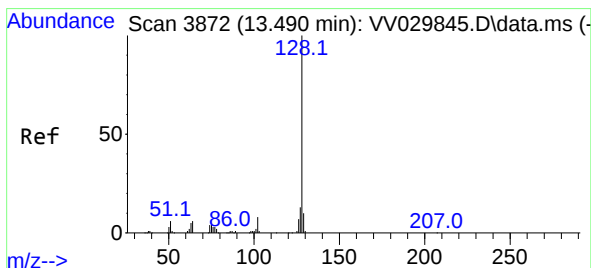
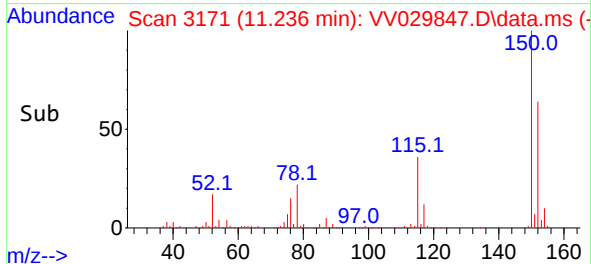
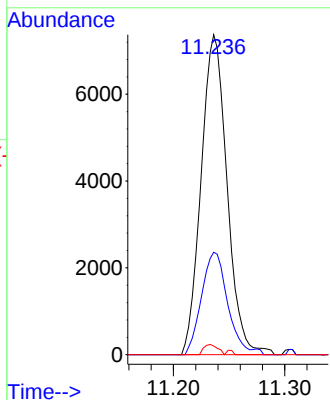
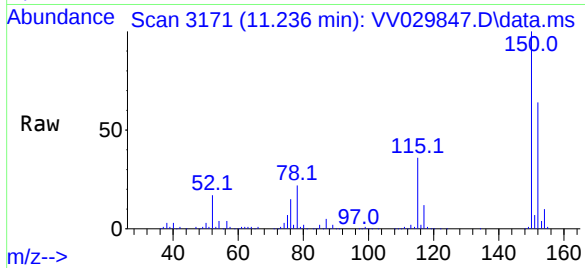




#61
1,2,3-Trichloropropane
Concen: 1.456 ug/L
RT: 11.236 min Scan# 31171
Delta R.T. 0.974 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

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Tgt Ion: 75 Resp: 11924
Ion Ratio Lower Upper
75 100
77 32.4 26.5 39.7
110 1.7 31.8 47.8#



#71
Naphthalene
Concen: 0.088 ug/L
RT: 13.497 min Scan# 3874
Delta R.T. 0.006 min
Lab File: VV029847.D
Acq: 14 Jan 2023 10:31

Tgt Ion:128 Resp: 2564
Ion Ratio Lower Upper
128 100
129 2.5 8.6 12.8#
127 14.0 10.0 15.0

