

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
 Data File : VU060123.D
 Acq On : 23 Jul 2024 18:34
 Operator : MD/SY
 Sample : P3280-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZH8

Quant Time: Jul 24 04:24:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 24 04:18:44 2024
 Response via : Initial Calibration

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

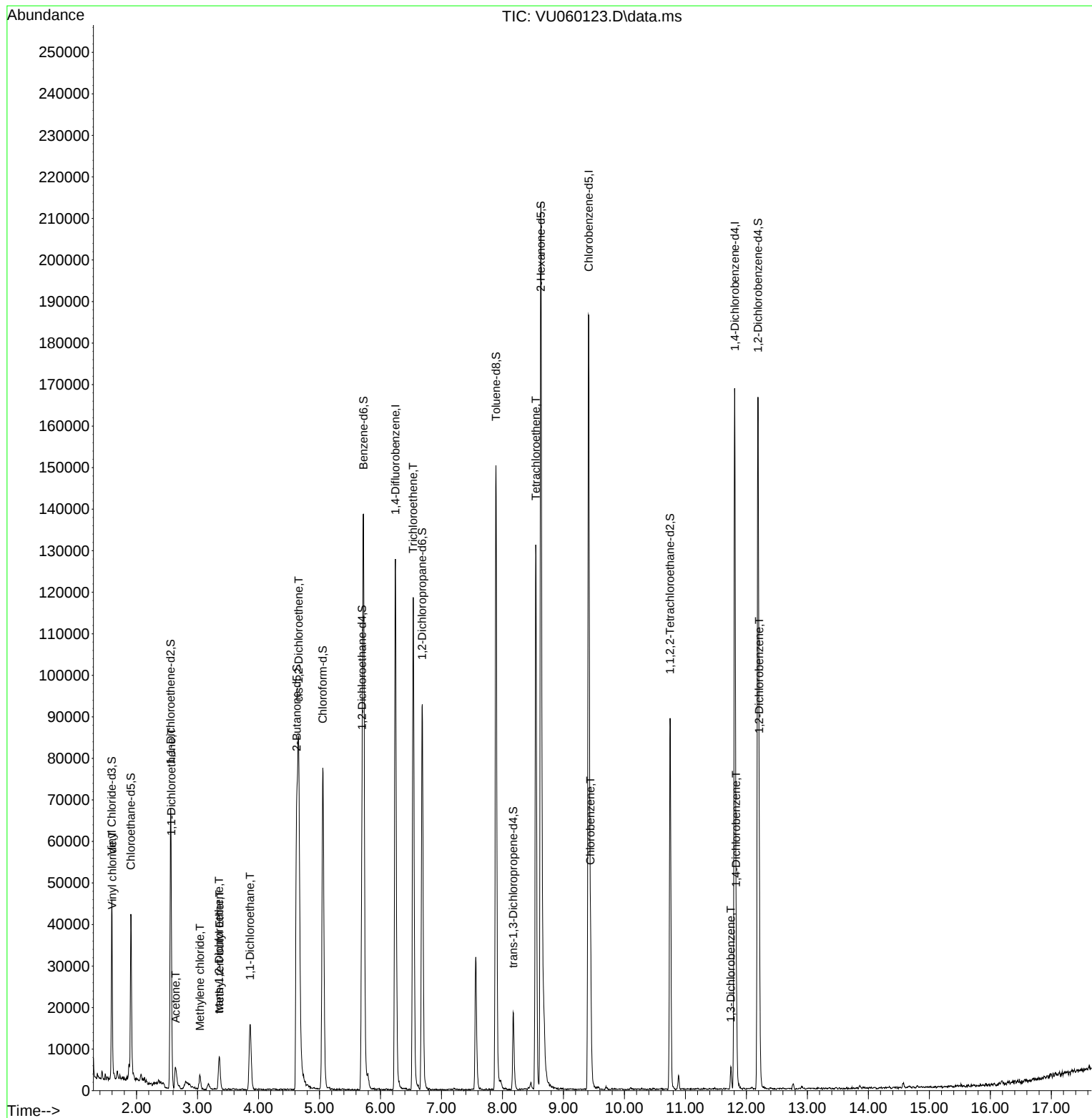
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	111910	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	117248	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	51182	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	29606	3.802	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.907	69	31511	4.356	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.560	65	11797	3.881	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	4.628	46	105456	57.930	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.860%
24) Chloroform-d	5.055	84	76160	4.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.698	65	38941	5.111	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.721	84	137884	4.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.685	67	47882	4.783	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.894	98	108383	3.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.177	79	12295	3.608	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.631	63	73971	48.921	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.840%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	47996	5.387	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	47480	5.139	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2453	0.214	ug/L	83
12) 1,1-Dichloroethene	2.570	96	2170	0.254	ug/L #	1
13) Acetone	2.641	43	8887	7.380	ug/L	100
16) Methylene chloride	3.039	84	1987	0.190	ug/L #	75
17) Methyl tert-butyl Ether	3.361	73	6100	0.313	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	1496	0.168	ug/L	95
19) 1,1-Dichloroethane	3.862	63	20508	1.216	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	35420	3.559	ug/L	100
34) Trichloroethene	6.537	95	42867	4.173	ug/L	98
47) Tetrachloroethene	8.547	164	31480	3.706	ug/L	98
51) Chlorobenzene	9.444	112	20306	0.754	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	2688	0.149	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	9350	0.510	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	19993	1.160	ug/L	92

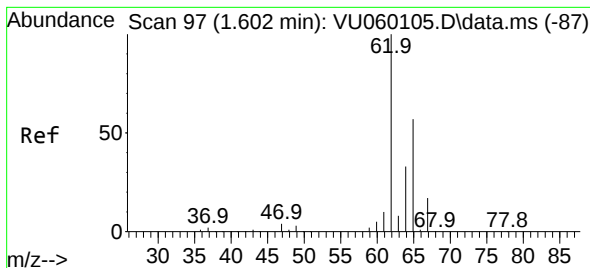
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 04:18:44 2024
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#5

Vinyl chloride

Concen: 0.214 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

Instrument :

MSVOA_U

ClientSampleId :

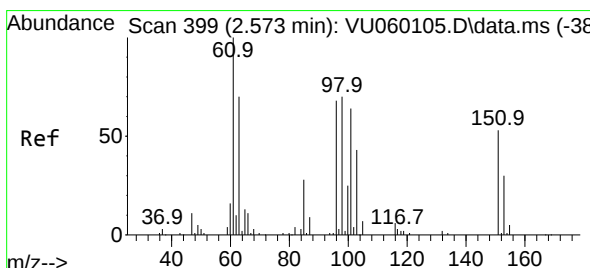
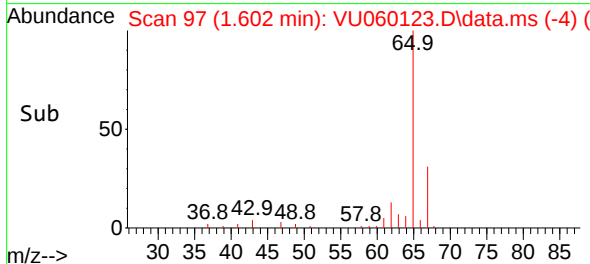
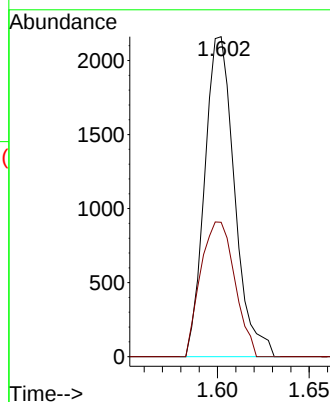
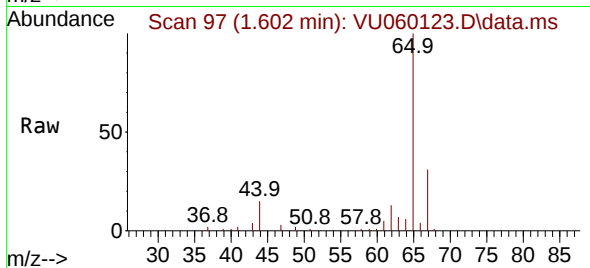
YDZH8

Tgt Ion: 62 Resp: 2453

Ion Ratio Lower Upper

62 100

64 42.0 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.254 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

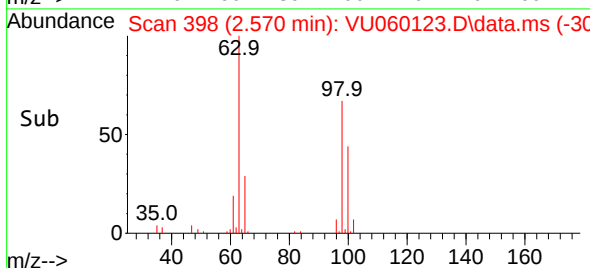
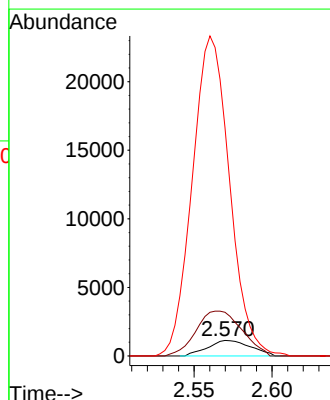
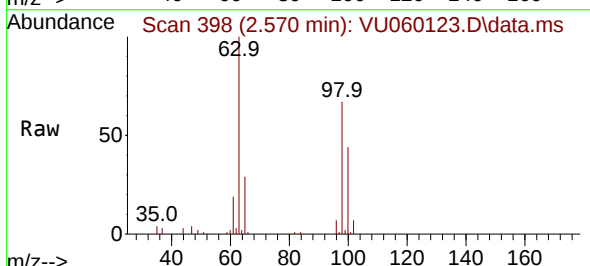
Tgt Ion: 96 Resp: 2170

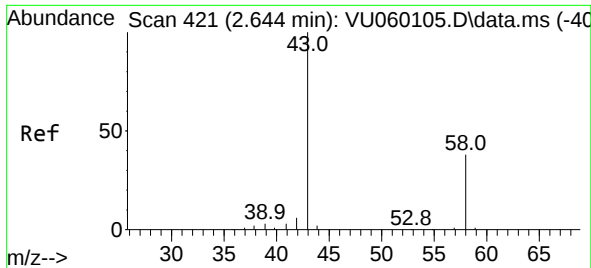
Ion Ratio Lower Upper

96 100

61 281.8 107.0 198.6#

63 1473.3 76.4 142.0#





#13

Acetone

Concen: 7.380 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

Instrument :

MSVOA_U

ClientSampleId :

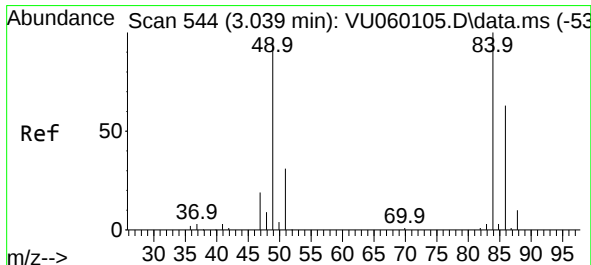
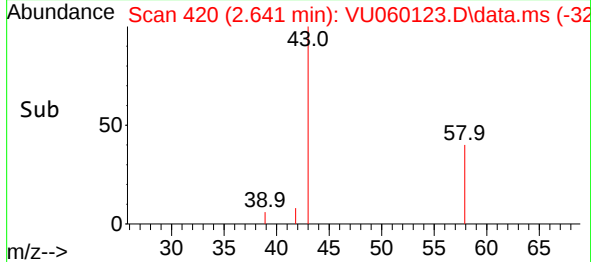
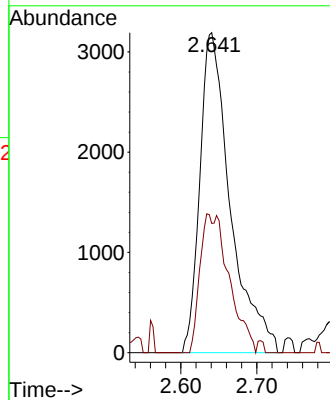
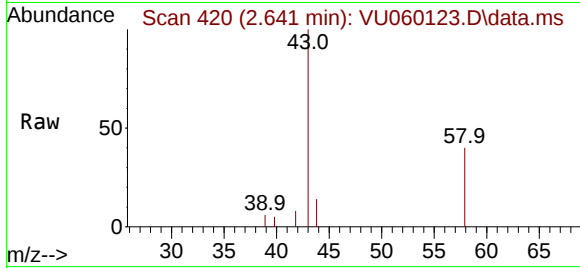
YDZH8

Tgt Ion: 43 Resp: 8887

Ion Ratio Lower Upper

43 100

58 41.3 0.0 82.2



#16

Methylene chloride

Concen: 0.190 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

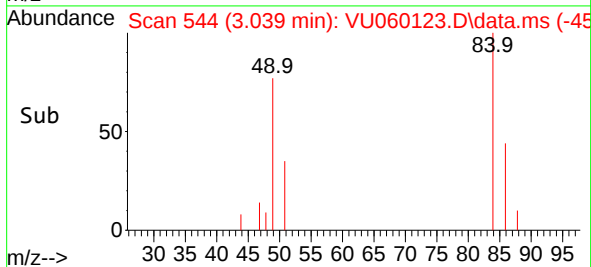
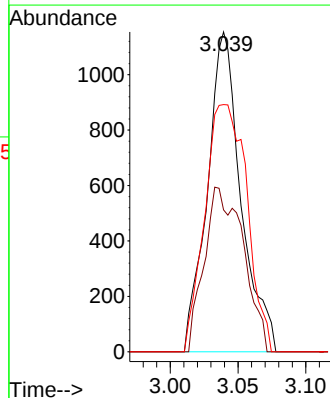
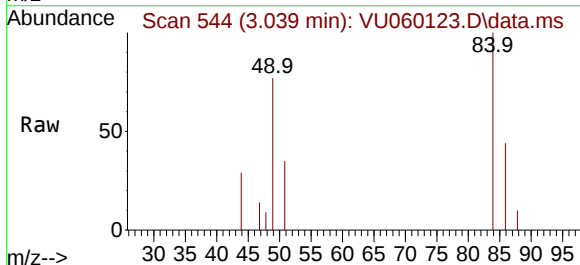
Tgt Ion: 84 Resp: 1987

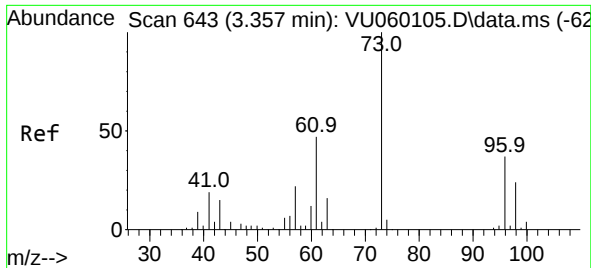
Ion Ratio Lower Upper

84 100

86 44.4 44.4 82.5#

49 77.3 72.0 133.6

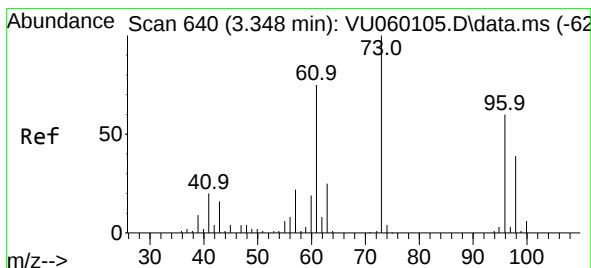
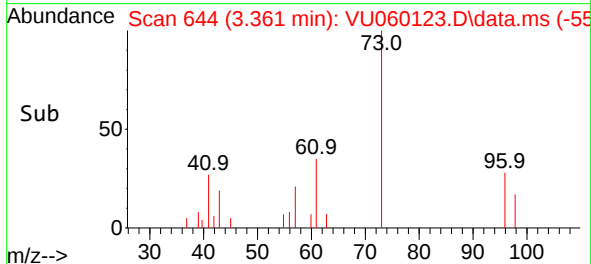
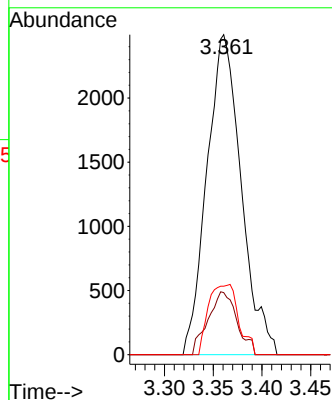
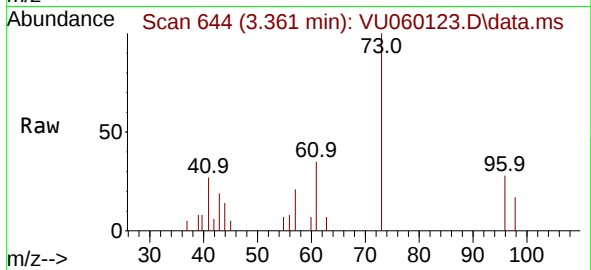




#17
Methyl tert-butyl Ether
Concen: 0.313 ug/L
RT: 3.361 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060123.D
Acq: 23 Jul 2024 18:34

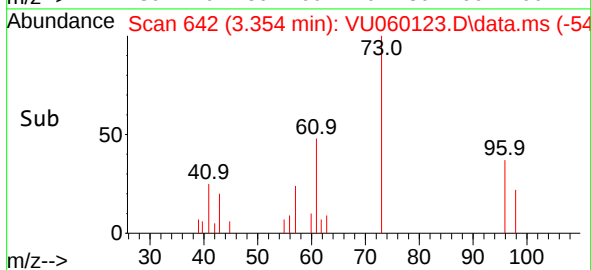
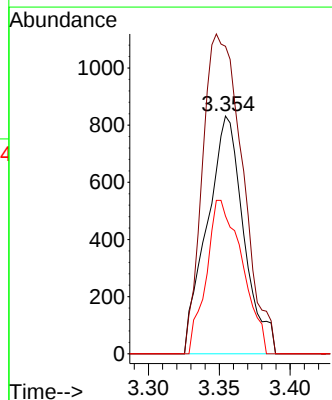
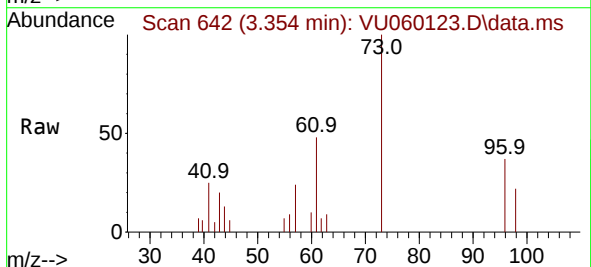
Instrument :
MSVOA_U
ClientSampleId :
YDZH8

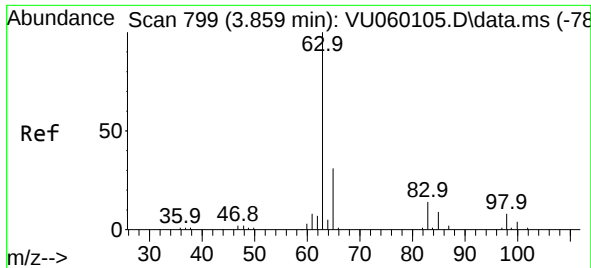
Tgt Ion: 73 Resp: 6100
Ion Ratio Lower Upper
73 100
43 16.5 13.1 19.7
57 19.1 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 0.168 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU060123.D
Acq: 23 Jul 2024 18:34

Tgt Ion: 96 Resp: 1496
Ion Ratio Lower Upper
96 100
61 129.3 91.6 170.0
98 57.9 47.7 88.5





#19

1,1-Dichloroethane

Concen: 1.216 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

Instrument :

MSVOA_U

ClientSampleId :

YDZH8

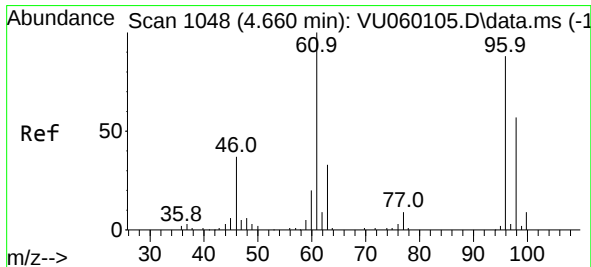
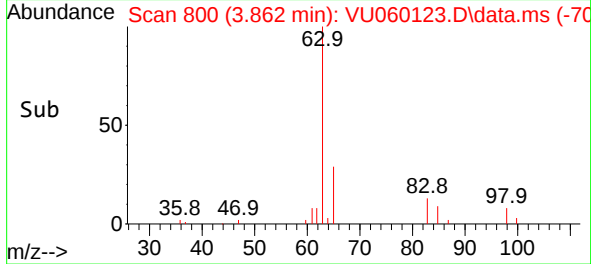
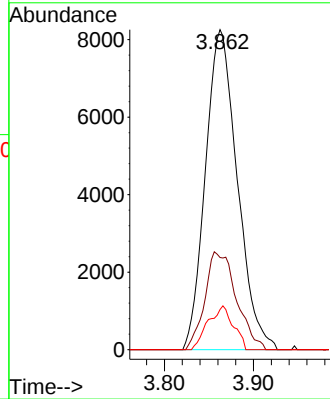
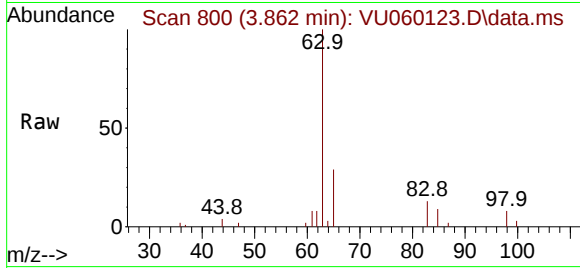
Tgt Ion: 63 Resp: 20508

Ion Ratio Lower Upper

63 100

65 28.8 22.0 40.8

83 12.5 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 3.559 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

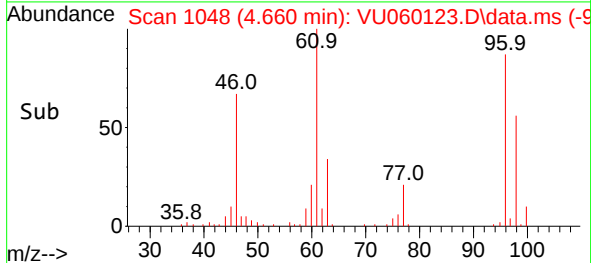
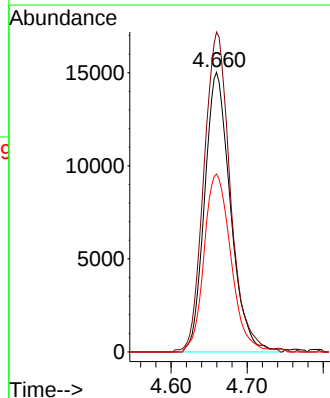
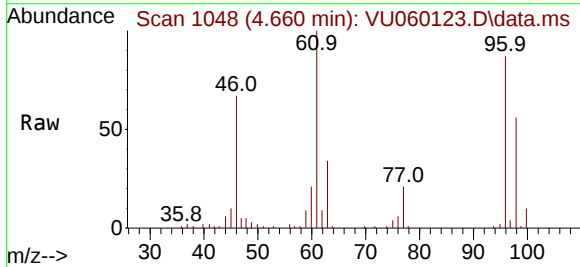
Tgt Ion: 96 Resp: 35420

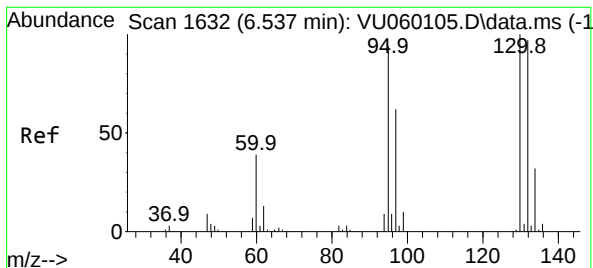
Ion Ratio Lower Upper

96 100

61 114.4 80.2 148.9

98 63.6 44.7 83.1





#34

Trichloroethene

Concen: 4.173 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

Instrument :

MSVOA_U

ClientSampleId :

YDZH8

Tgt Ion: 95 Resp: 42867

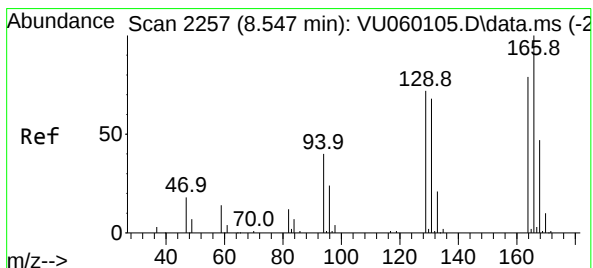
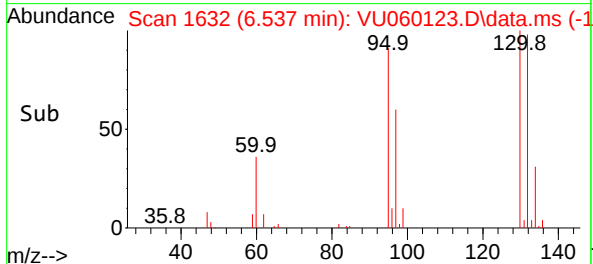
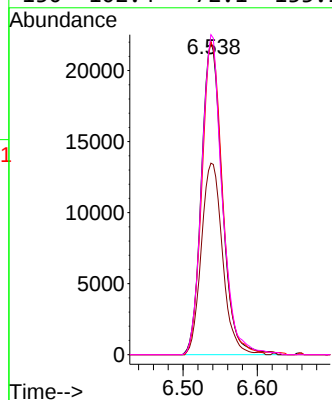
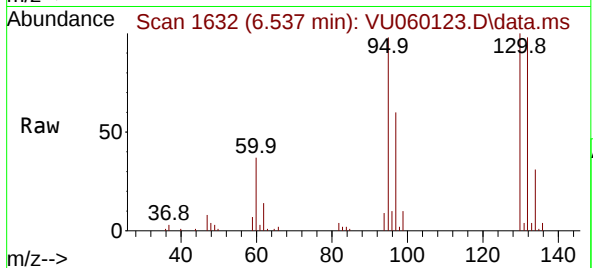
Ion Ratio Lower Upper

95 100

97 61.3 45.9 85.3

132 100.0 71.4 132.6

130 102.4 72.1 133.9



#47

Tetrachloroethene

Concen: 3.706 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU060123.D

Acq: 23 Jul 2024 18:34

Tgt Ion: 164 Resp: 31480

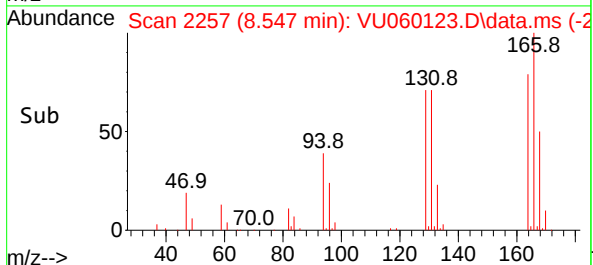
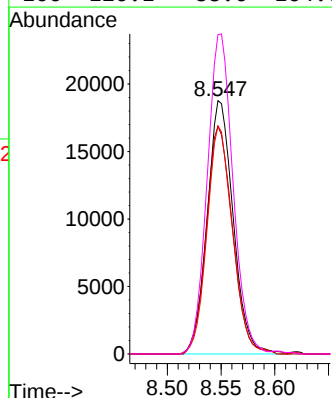
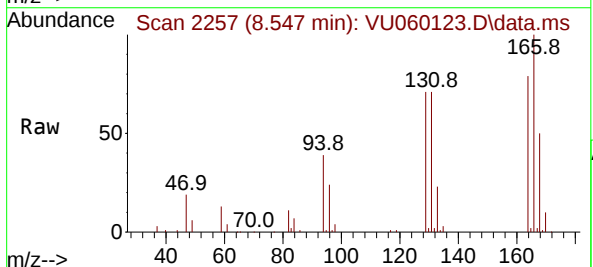
Ion Ratio Lower Upper

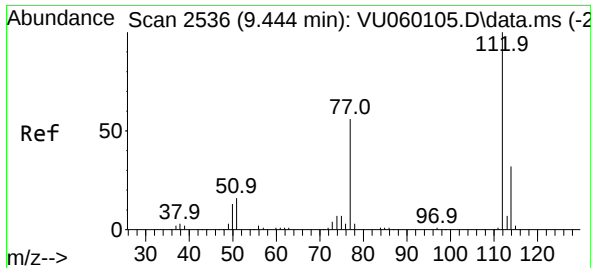
164 100

129 89.9 64.6 120.0

131 90.0 61.2 113.8

166 126.1 88.6 164.6

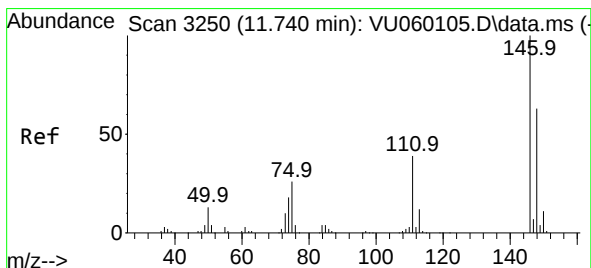
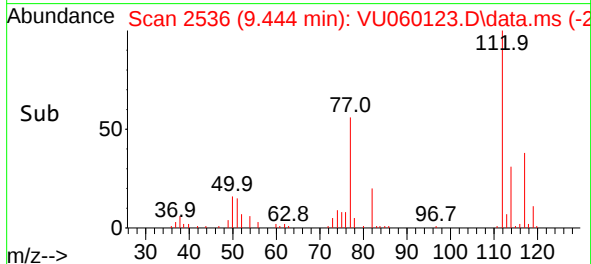
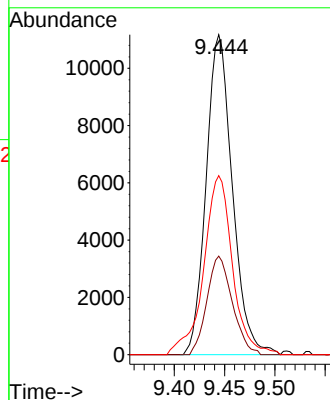
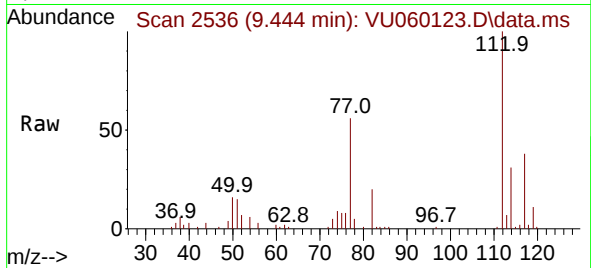




#51
Chlorobenzene
Concen: 0.754 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060123.D
Acq: 23 Jul 2024 18:34

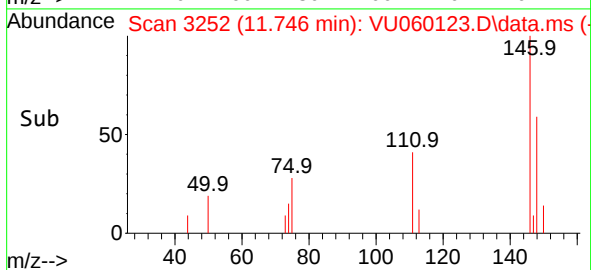
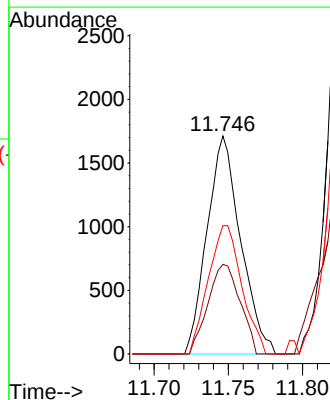
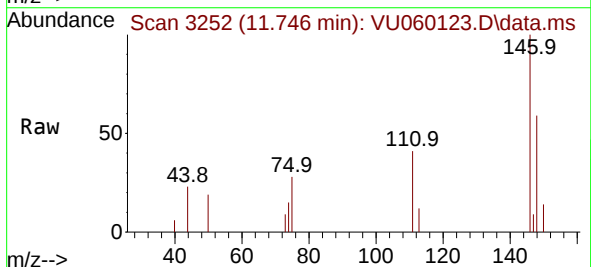
Instrument :
MSVOA_U
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YDZH8

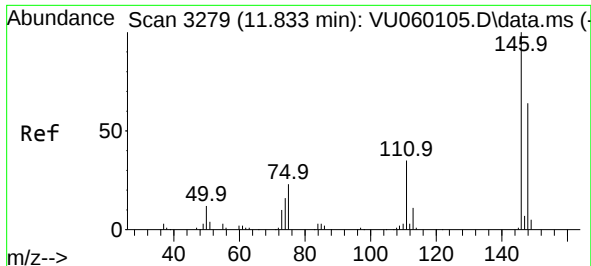
Tgt Ion:112 Resp: 20306
Ion Ratio Lower Upper
112 100
114 30.8 22.1 41.1
77 55.9 44.7 67.1



#64
1,3-Dichlorobenzene
Concen: 0.149 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VU060123.D
Acq: 23 Jul 2024 18:34

Tgt Ion:146 Resp: 2688
Ion Ratio Lower Upper
146 100
111 41.1 27.2 50.4
148 58.8 44.3 82.3

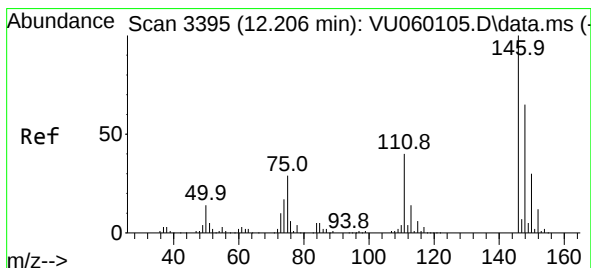
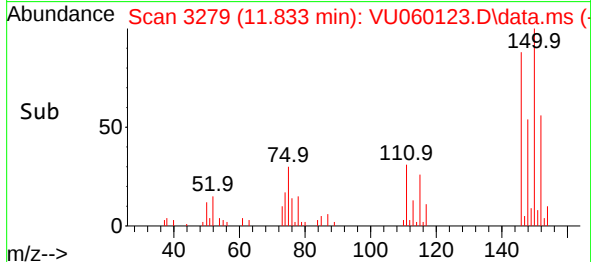
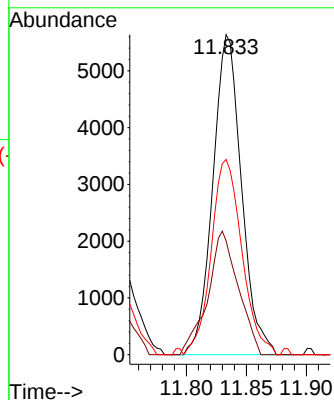
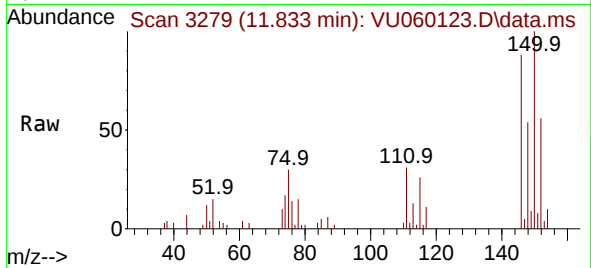




#65
1,4-Dichlorobenzene
Concen: 0.510 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU060123.D
Acq: 23 Jul 2024 18:34

Instrument :
MSVOA_U
ClientSampleId :
YDZH8

Tgt Ion:	146	Resp:	9350
Ion	Ratio	Lower	Upper
146	100		
111	35.5	26.5	49.1
148	61.0	45.3	84.1



#67
1,2-Dichlorobenzene
Concen: 1.160 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU060123.D
Acq: 23 Jul 2024 18:34

Tgt Ion:	146	Resp:	19993
Ion	Ratio	Lower	Upper
146	100		
111	42.8	30.9	46.3
148	68.6	49.8	74.8

