

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053605.D
 Acq On : 07 Apr 2023 19:28
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050190

Quant Time: Apr 08 00:02:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

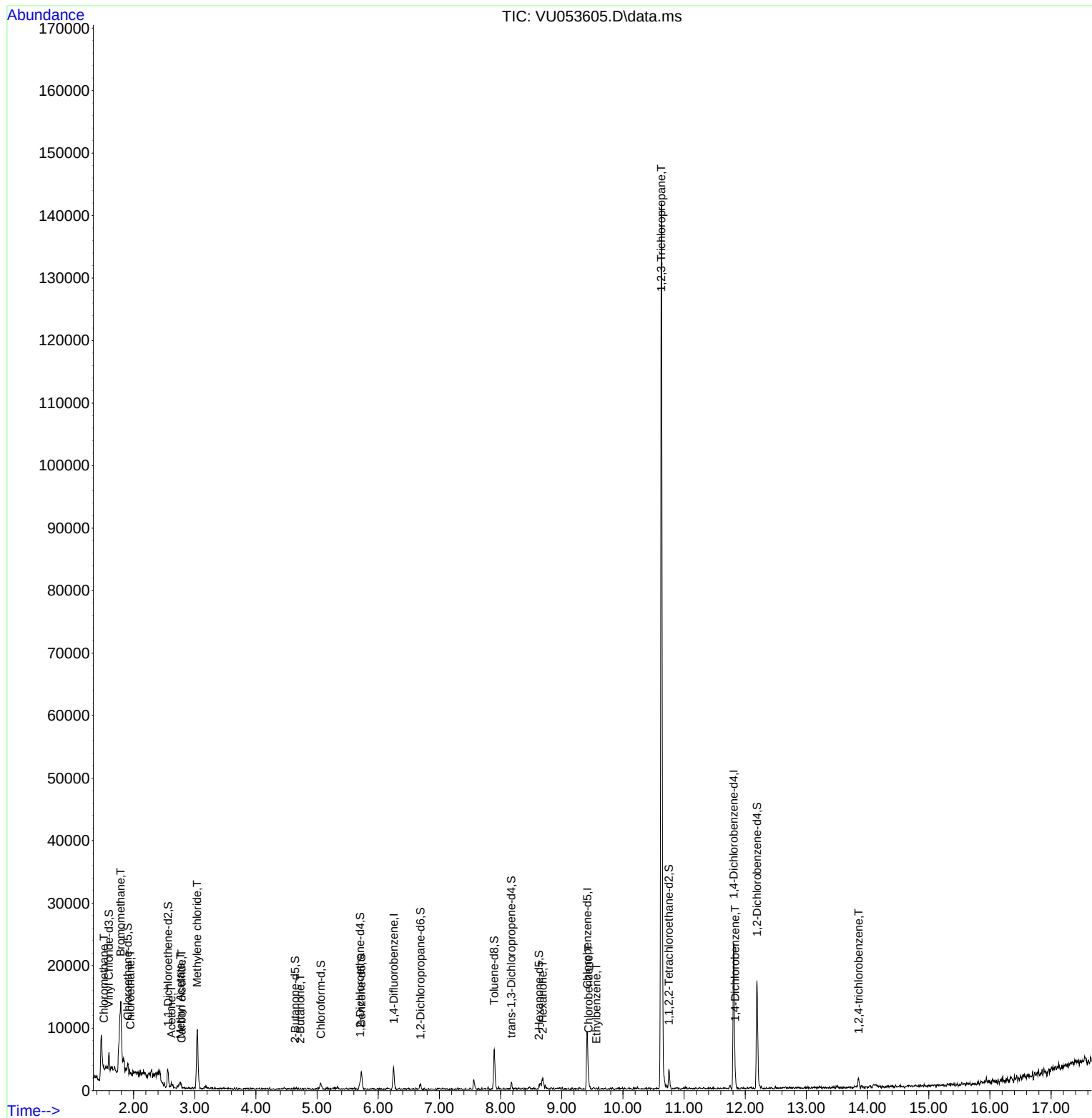
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	3719	50.000	ug/L	# 0.01
28) Chlorobenzene-d5	9.417	117	6191	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	6984	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	1332	45.997	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.000%
7) Chloroethane-d5	1.906	69	634	28.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.800%#
11) 1,1-Dichloroethene-d2	2.562	63	1723	38.437	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.880%
21) 2-Butanone-d5	4.642	46	41	3.127	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	3.130%#
24) Chloroform-d	5.060	84	1003	20.943	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	41.880%#
26) 1,2-Dichloroethane-d4	5.703	65	734	25.937	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	51.880%#
32) Benzene-d6	5.723	84	2766	16.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	33.100%#
36) 1,2-Dichloropropane-d6	6.690	67	448	8.771	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	17.540%#
41) Toluene-d8	7.896	98	4516	27.189	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	54.380%#
43) trans-1,3-Dichloroprop...	8.176	79	868	32.921	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.840%
47) 2-Hexanone-d5	8.629	63	206	11.817	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	11.820%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	1806	25.086	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	50.180%#
66) 1,2-Dichlorobenzene-d4	12.192	152	5266	36.123	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.240%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	169	6.814	ug/L	# 42
6) Bromomethane	1.790	94	43	2.056	ug/L	# 4
8) Chloroethane	1.948	64	82	4.743	ug/L	# 43
13) Acetone	2.617	43	481	40.822	ug/L	94
14) Carbon disulfide	2.787	76	143	2.369	ug/L	# 73
15) Methyl Acetate	2.764	43	141	7.813	ug/L	# 47
16) Methylene chloride	3.038	84	4991	194.585	ug/L	98
22) 2-Butanone	4.726	43	70	4.904	ug/L	# 43
48) 2-Hexanone	8.690	43	268	7.444	ug/L	# 1
51) Chlorobenzene	9.439	112	118	0.937	ug/L	# 29
52) Ethylbenzene	9.568	91	210	1.032	ug/L	# 43
60) 1,2,3-Trichloropropane	10.629	75	23833	235.351	ug/L	# 39
65) 1,4-Dichlorobenzene	11.835	146	638	2.901	ug/L	83
70) 1,2,4-trichlorobenzene	13.851	180	817	5.515	ug/L	# 62

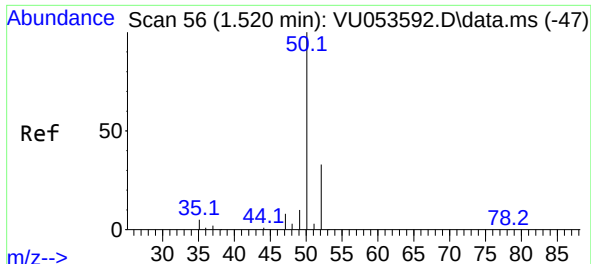
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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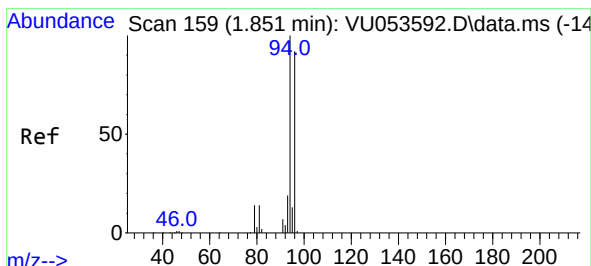
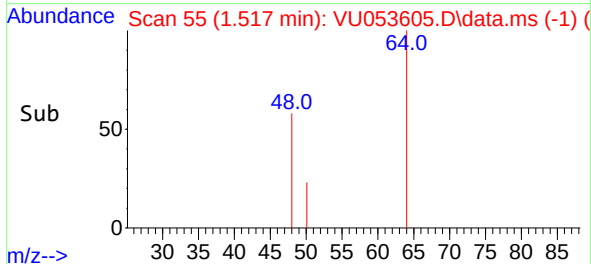
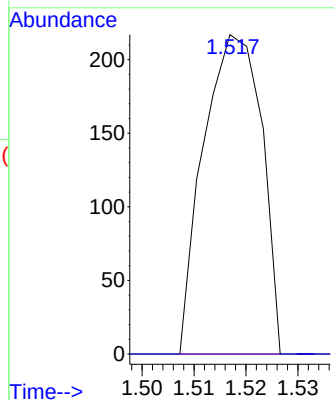
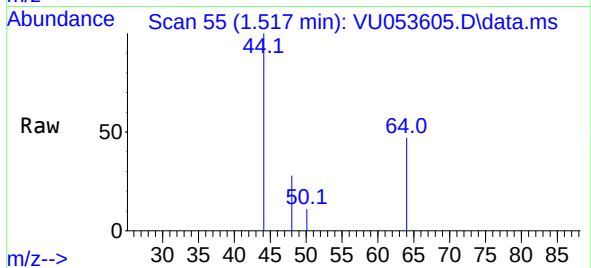




#3
Chloromethane
Concen: 6.814 ug/L
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

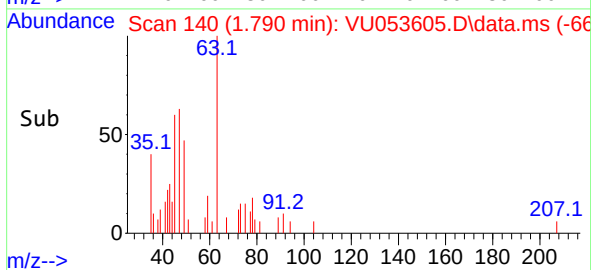
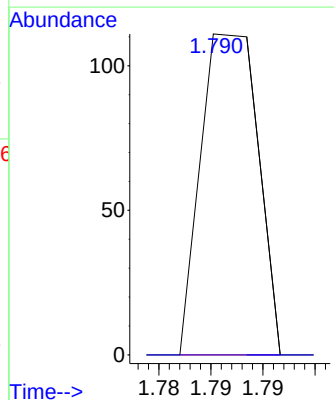
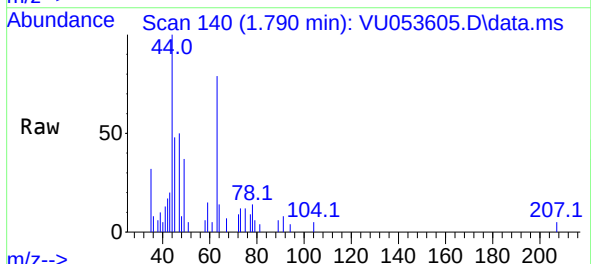
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MSVOA_U
ClientSampleId :
VSTD050190

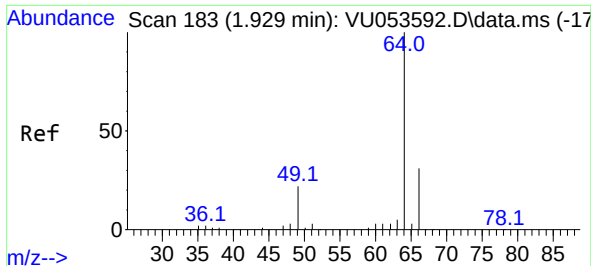
Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 22.7 42.1#



#6
Bromomethane
Concen: 2.056 ug/L
RT: 1.790 min Scan# 140
Delta R.T. -0.061 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Tgt Ion: 94 Resp: 43
Ion Ratio Lower Upper
94 100
96 0.0 64.4 119.6#

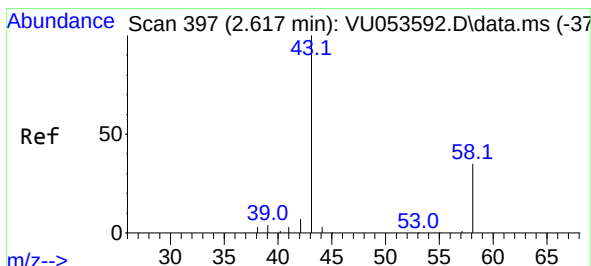
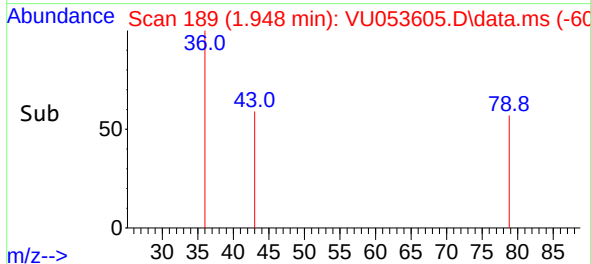
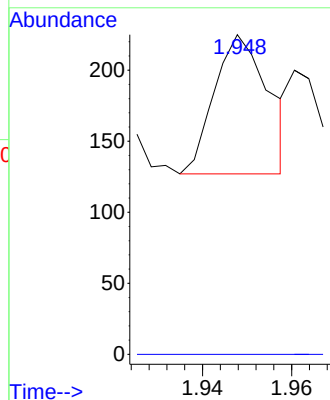
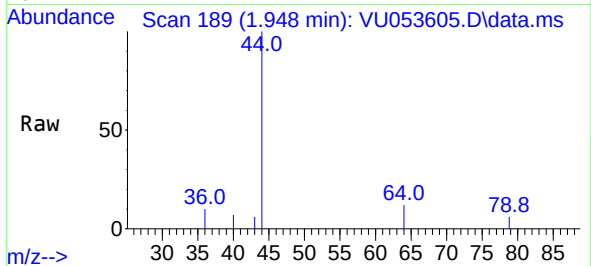




#8
Chloroethane
Concen: 4.743 ug/L
RT: 1.948 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

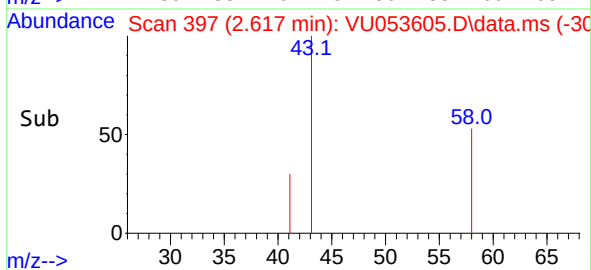
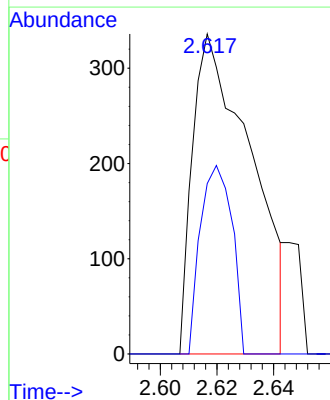
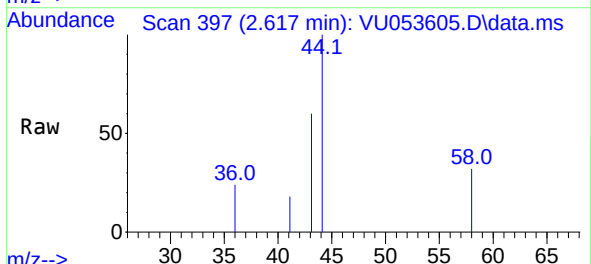
Instrument :
MSVOA_U
ClientSampleId :
VSTD050190

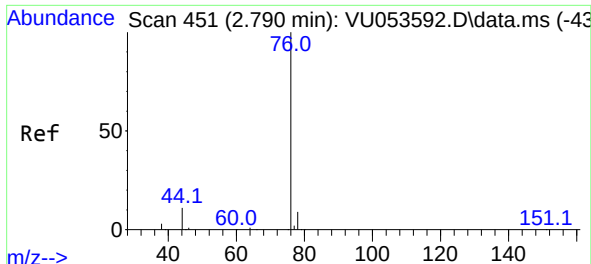
Tgt Ion: 64 Resp: 82
Ion Ratio Lower Upper
64 100
66 0.0 21.8 40.6#



#13
Acetone
Concen: 40.822 ug/L
RT: 2.617 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
58 31.8 0.0 70.2

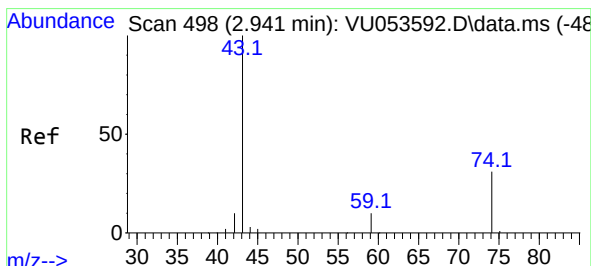
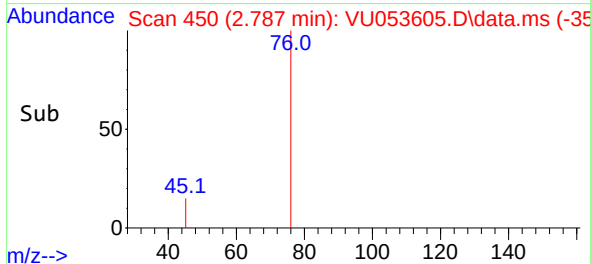
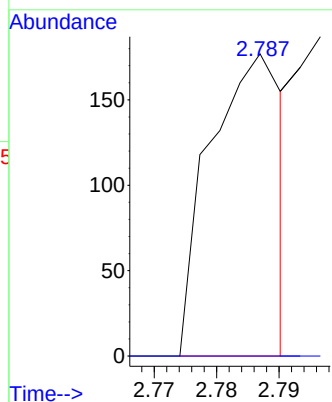
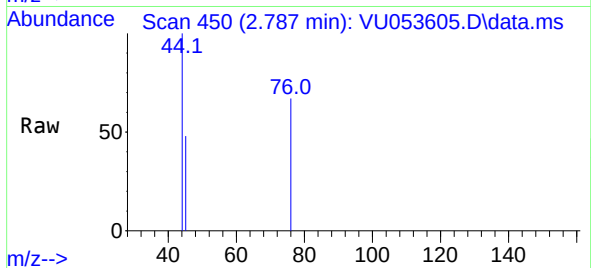




#14
Carbon disulfide
Concen: 2.369 ug/L
RT: 2.787 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

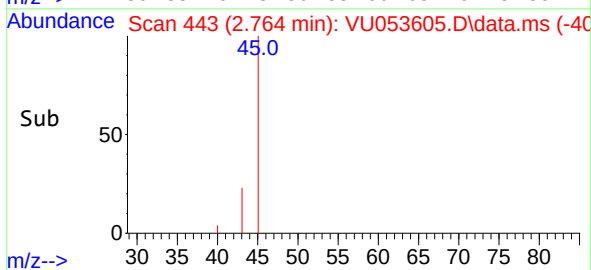
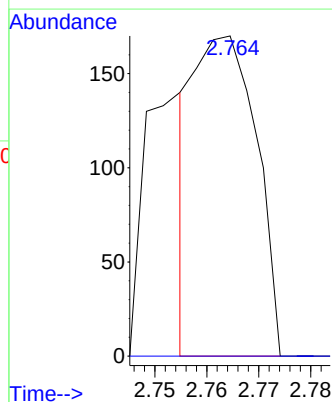
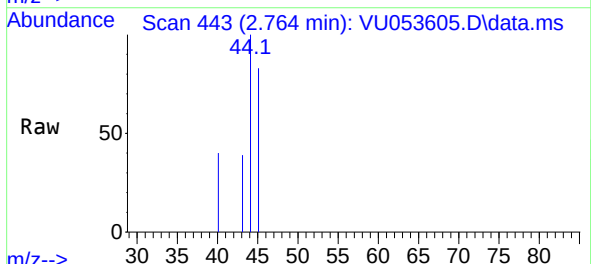
Instrument :
MSVOA_U
ClientSampleId :
VSTD050190

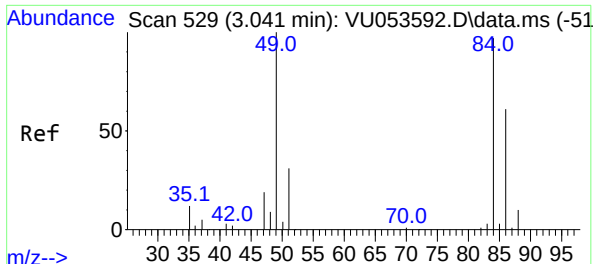
Tgt Ion: 76 Resp: 143
Ion Ratio Lower Upper
76 100
78 0.0 8.2 12.2#



#15
Methyl Acetate
Concen: 7.813 ug/L
RT: 2.764 min Scan# 443
Delta R.T. -0.177 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



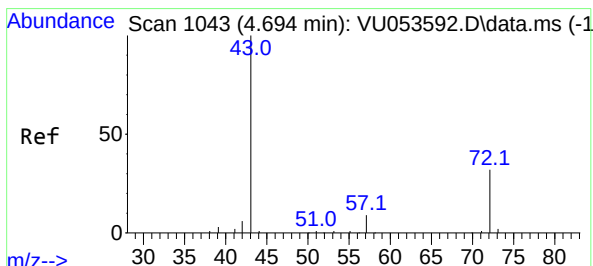
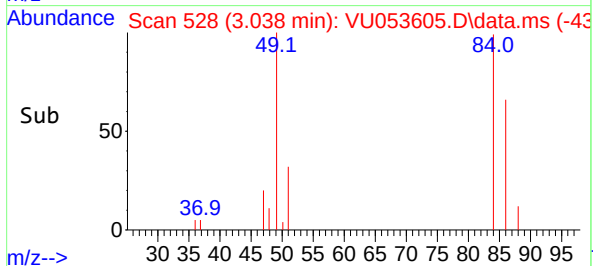
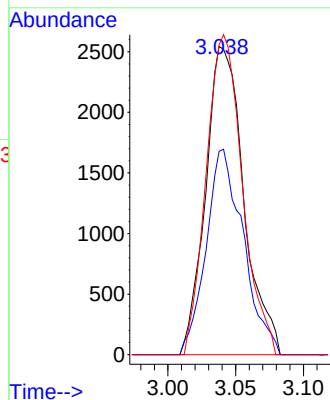
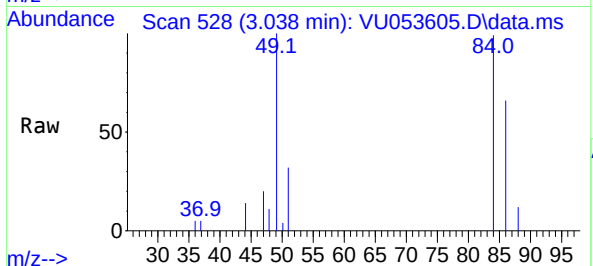


#16
Methylene chloride
Concen: 194.585 ug/L
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050190

Tgt Ion: 84 Resp: 4991

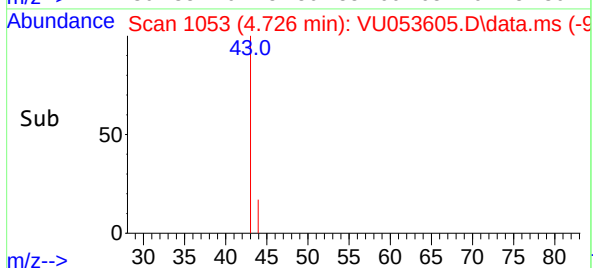
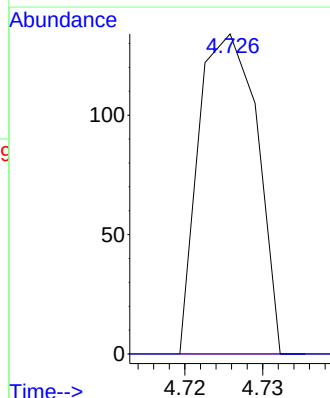
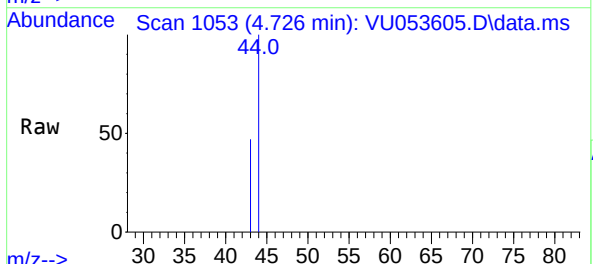
Ion	Ratio	Lower	Upper
84	100		
86	66.0	43.5	80.9
49	100.5	69.7	129.5

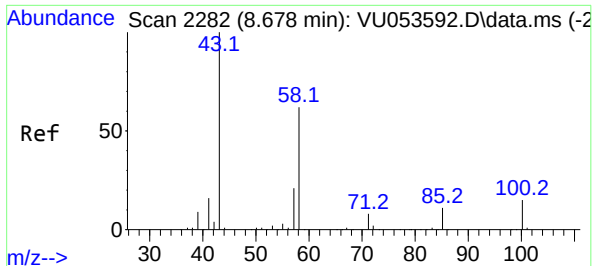


#22
2-Butanone
Concen: 4.904 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.032 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Tgt Ion: 43 Resp: 70

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.8	47.3#



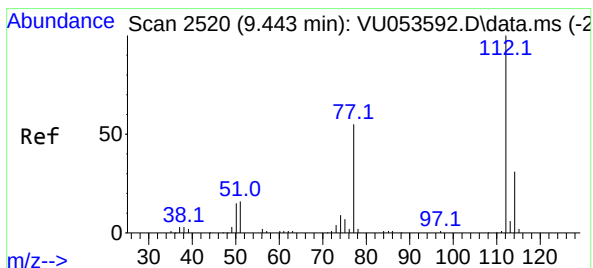
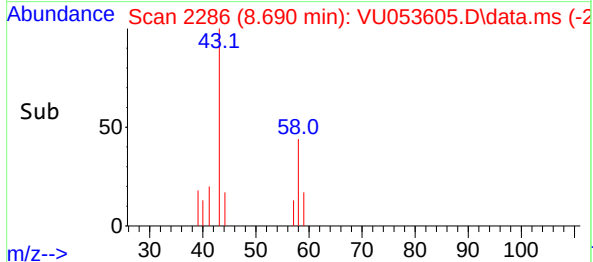
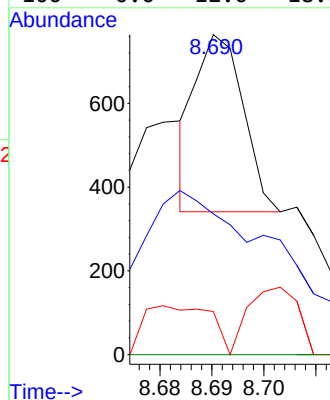
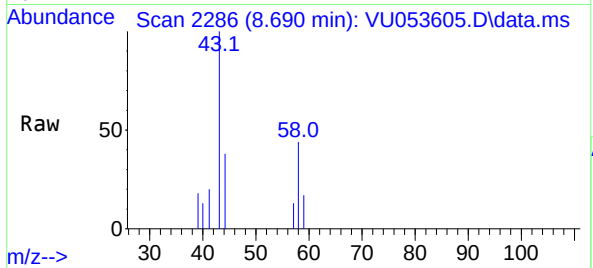


#48
2-Hexanone
Concen: 7.444 ug/L
RT: 8.690 min Scan# 2119
Delta R.T. 0.013 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Instrument :
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ClientSampleId :
VSTD050190

Tgt Ion: 43 Resp: 268

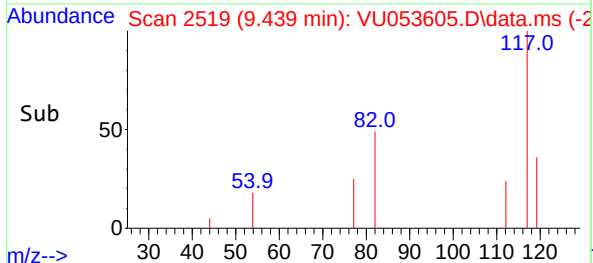
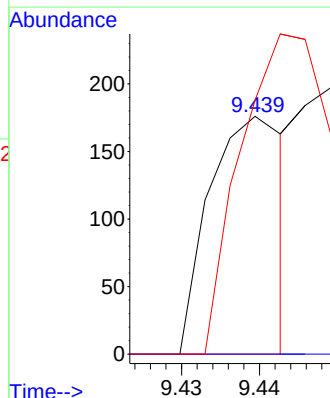
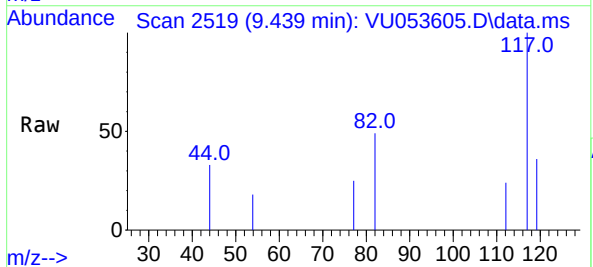
Ion	Ratio	Lower	Upper
43	100		
58	191.4	49.8	74.6#
57	23.9	17.8	26.6
100	0.0	12.0	18.0#

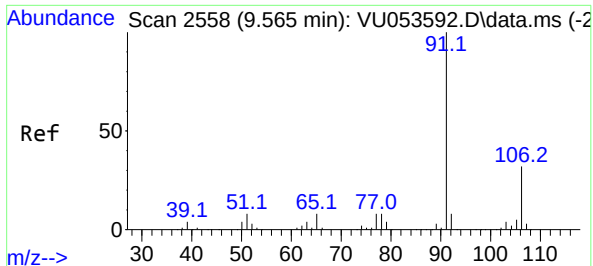


#51
Chlorobenzene
Concen: 0.937 ug/L
RT: 9.439 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

Tgt Ion: 112 Resp: 118

Ion	Ratio	Lower	Upper
112	100		
114	0.0	22.2	41.2#
77	106.8	41.3	61.9#

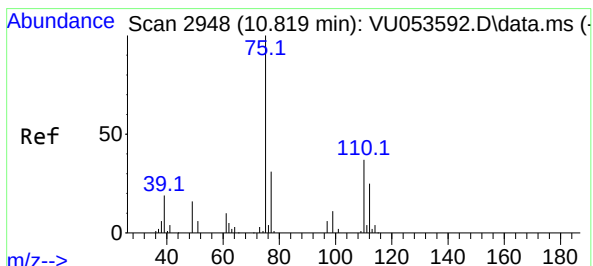
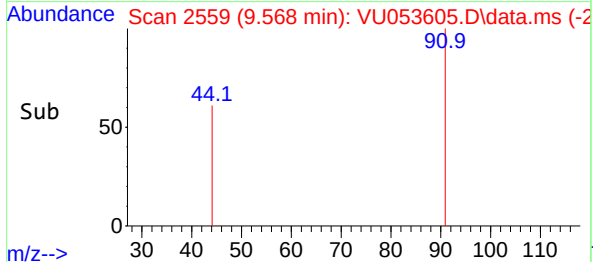
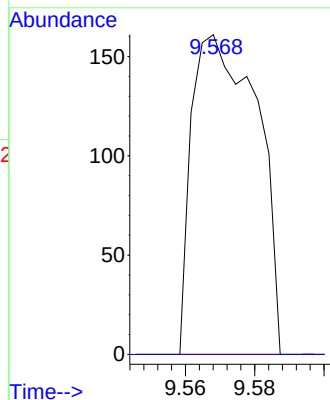
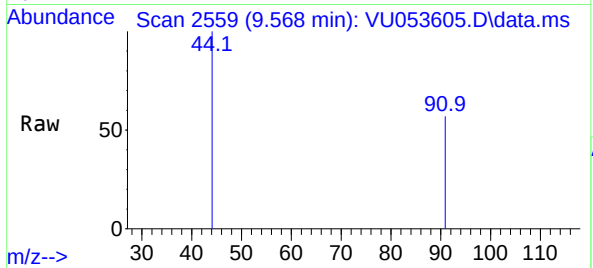




#52
Ethylbenzene
Concen: 1.032 ug/L
RT: 9.568 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

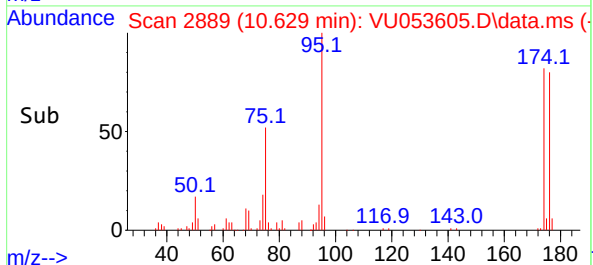
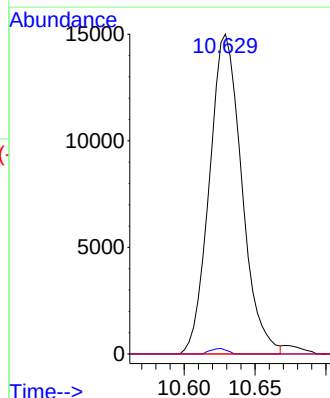
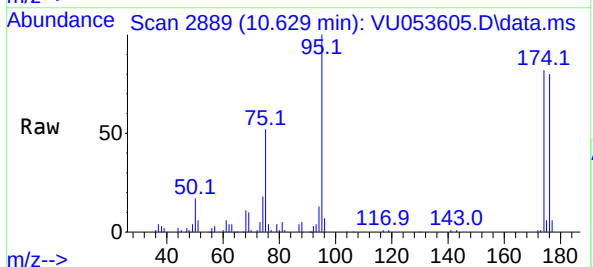
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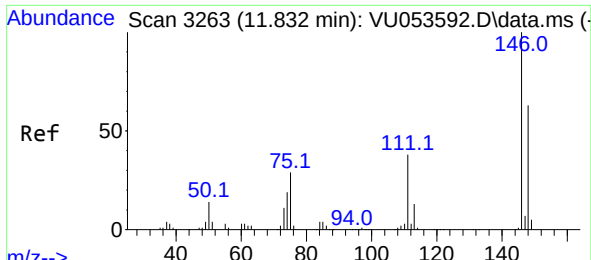
Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
106 0.0 22.4 41.6#



#60
1,2,3-Trichloropropane
Concen: 235.351 ug/L
RT: 10.629 min Scan# 2889
Delta R.T. -0.186 min
Lab File: VU053605.D
Acq: 07 Apr 2023 19:28

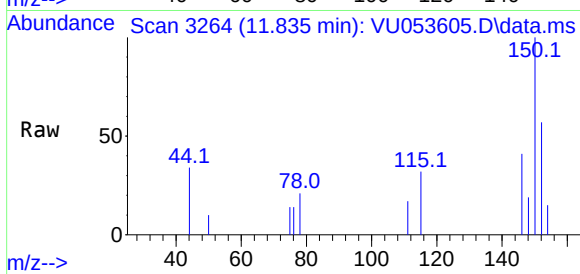
Tgt Ion: 75 Resp: 23833
Ion Ratio Lower Upper
75 100
77 0.9 26.0 39.0#
110 0.0 32.6 48.8#





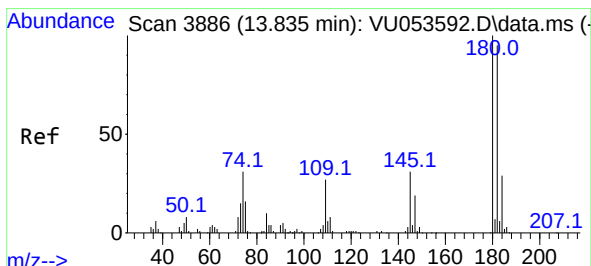
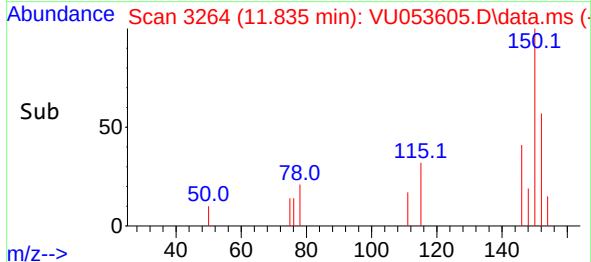
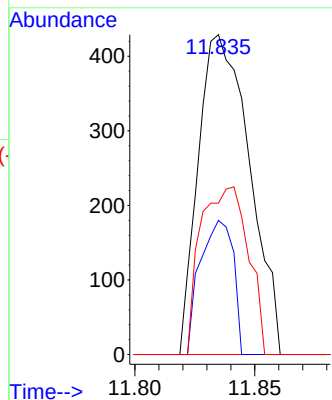
#65
 1,4-Dichlorobenzene
 Concen: 2.901 ug/L
 RT: 11.835 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053605.D
 Acq: 07 Apr 2023 19:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050190



Tgt Ion:146 Resp: 638

Ion	Ratio	Lower	Upper
146	100		
111	42.0	25.1	46.5
148	47.3	44.3	82.3



#70
 1,2,4-trichlorobenzene
 Concen: 5.515 ug/L
 RT: 13.851 min Scan# 3891
 Delta R.T. 0.016 min
 Lab File: VU053605.D
 Acq: 07 Apr 2023 19:28

Tgt Ion:180 Resp: 817

Ion	Ratio	Lower	Upper
180	100		
182	60.5	75.8	113.8#
145	5.0	23.4	35.2#

