

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052546.D
 Acq On : 23 Dec 2022 18:42
 Operator : JC/MD
 Sample : N6171-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQD5

Quant Time: Dec 24 03:58:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.292	114	42	5.000	ug/L	# 0.04
28) Chlorobenzene-d5	9.603	117	140216	5.000	ug/L	0.19
58) 1,4-Dichlorobenzene-d4	11.861	152	65307	5.000	ug/L	0.05

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.774	65	1097	257.811	ug/L	0.18
Spiked Amount	5.000	Range	40 - 130	Recovery	= 5156.200%#	
7) Chloroethane-d5	2.183	69	21	5.723	ug/L	0.27
Spiked Amount	5.000	Range	65 - 130	Recovery	= 114.400%	
11) 1,1-Dichloroethene-d2	2.565	65	179	97.761	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 1955.200%#	
20) 2-Butanone-d5	4.649	46	48	36.377	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 72.760%	
24) Chloroform-d	5.060	84	226	31.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 629.600%#	
26) 1,2-Dichloroethane-d4	5.700	65	61	14.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 293.000%#	
32) Benzene-d6	5.588	84	3361	0.070	ug/L	-0.14
Spiked Amount	5.000	Range	70 - 125	Recovery	= 1.400%#	
36) 1,2-Dichloropropane-d6	6.713	67	8737	0.528	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	= 10.600%#	
41) Toluene-d8	7.877	98	19	0.000	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	= 0.000%#	
43) trans-1,3-Dichloroprop...	8.108	79	11191	1.975	ug/L	-0.07
Spiked Amount	5.000	Range	55 - 130	Recovery	= 39.400%#	
46) 2-Hexanone-d5	8.880	63	113488	36.607	ug/L	0.25
Spiked Amount	50.000	Range	45 - 130	Recovery	= 73.220%	
56) 1,1,2,2-Tetrachloroeth...	10.832	84	64181	4.568	ug/L	0.08
Spiked Amount	5.000	Range	65 - 120	Recovery	= 91.400%	
66) 1,2-Dichlorobenzene-d4	12.230	152	71451	5.374	ug/L	0.04
Spiked Amount	5.000	Range	80 - 120	Recovery	= 107.400%	

Target Compounds			Qvalue			
3) Chloromethane	1.604	50	285	52.833	ug/L #	42
8) Chloroethane	1.938	64	109	32.546	ug/L #	15
12) 1,1-Dichloroethene	2.594	96	19	6.040	ug/L #	14
13) Acetone	2.790	43	136322	140145.170	ug/L	48
14) Carbon disulfide	2.822	76	71	7.005	ug/L #	1
15) Methyl Acetate	2.790	43	136322	63614.402	ug/L #	55
16) Methylene chloride	3.154	84	91	20.480	ug/L #	32
17) Methyl tert-butyl Ether	3.356	73	140	16.672	ug/L #	54
18) trans-1,2-Dichloroethene	3.363	96	134	41.336	ug/L #	29
19) 1,1-Dichloroethane	3.822	63	71481	10139.060	ug/L #	89
21) 2-Butanone	4.700	43	550	383.919	ug/L	91
22) cis-1,2-Dichloroethene	4.652	96	46976	13204.036	ug/L	92
23) Bromochloromethane	4.983	128	88	53.375	ug/L #	3
25) Chloroform	5.051	83	53	7.759	ug/L	84
27) 1,2-Dichloroethane	5.787	62	1918	406.418	ug/L #	17
35) Methylcyclohexane	6.739	83	12141	0.682	ug/L #	91
37) 1,2-Dichloropropane	6.848	63	2353	0.167	ug/L #	88
38) Bromodichloromethane	7.176	83	7824	0.456	ug/L #	24
45) 1,1,2-Trichloroethane	8.398	97	3910	0.392	ug/L #	29

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QLast Update : Sat Dec 24 03:53:16 2022
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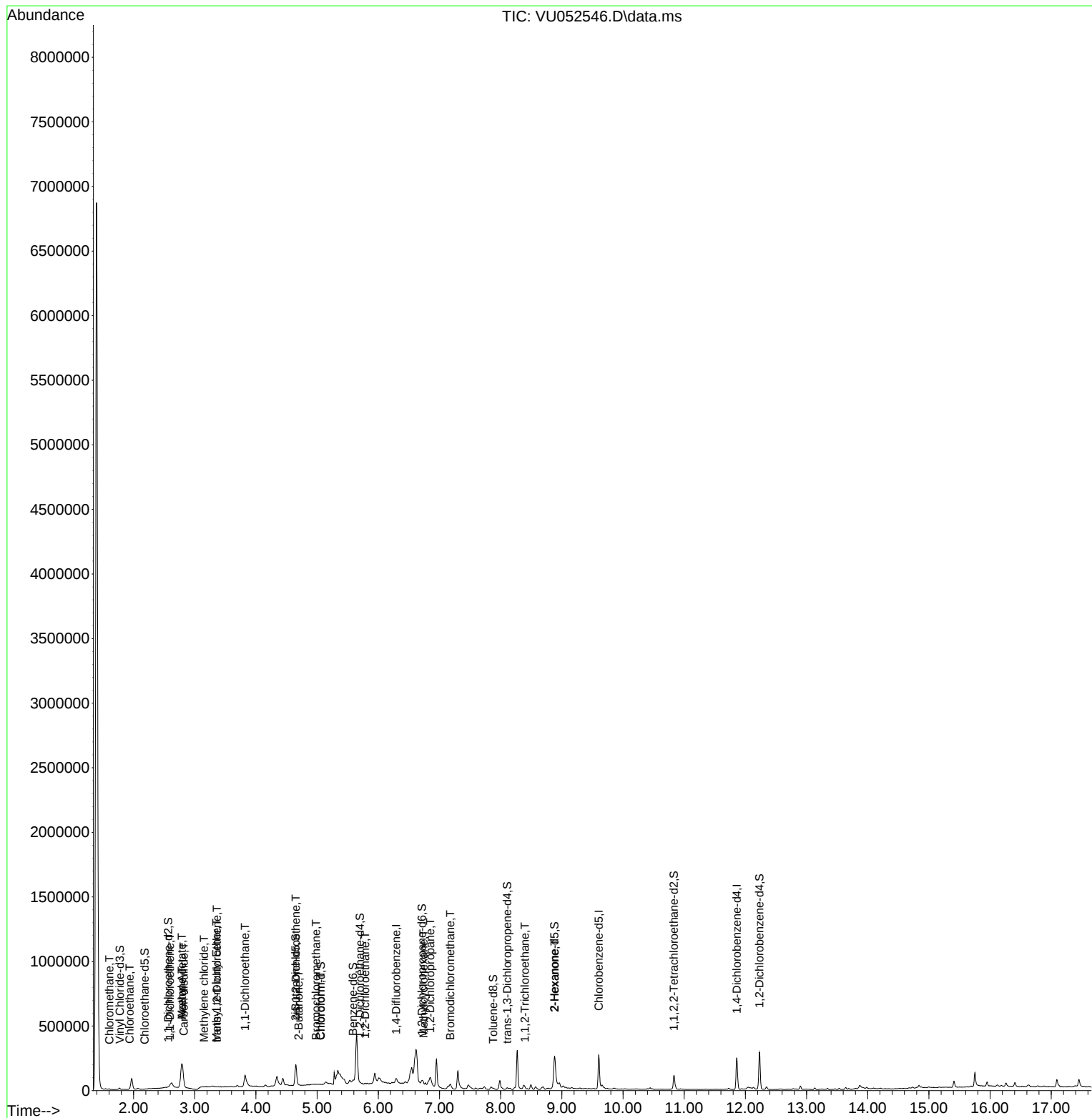
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.883	43	16494	2.125	ug/L	# 67

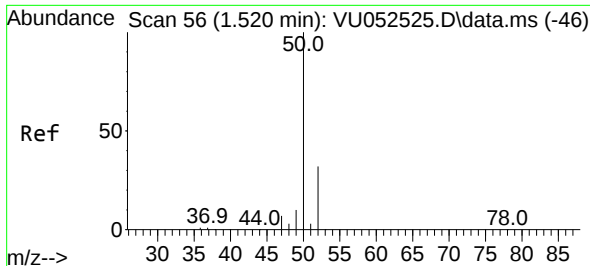
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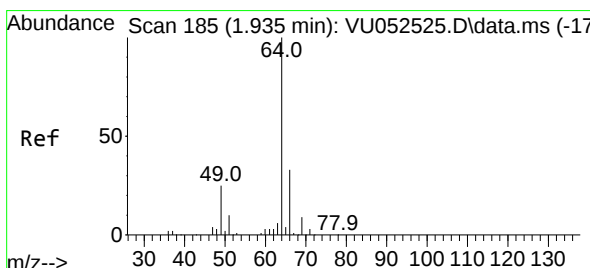
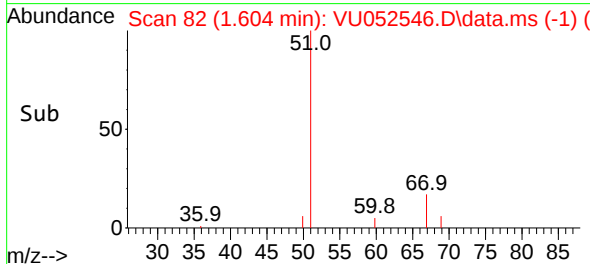
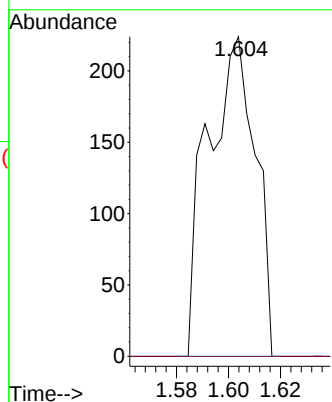
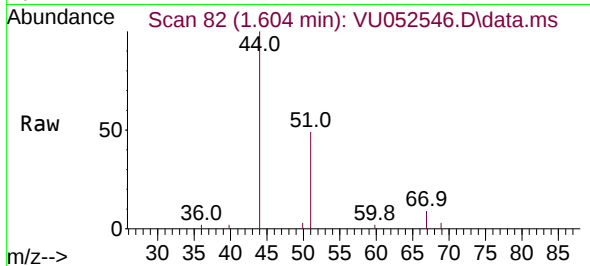




#3
Chloromethane
Concen: 52.833 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.084 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

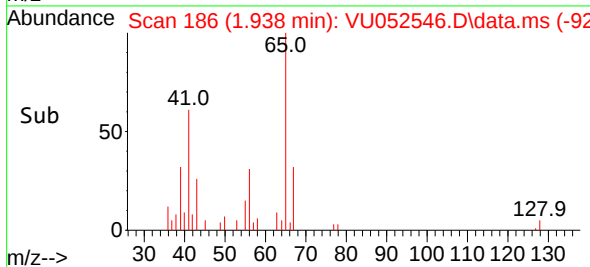
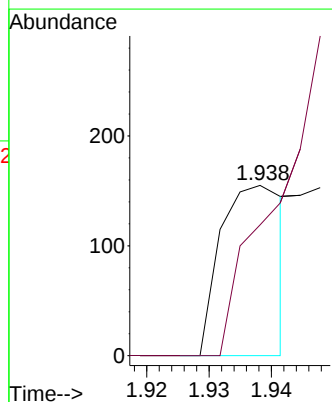
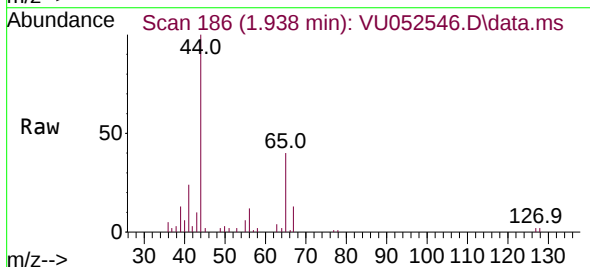
Instrument :
MSVOA_U
ClientSampleId :
GBQD5

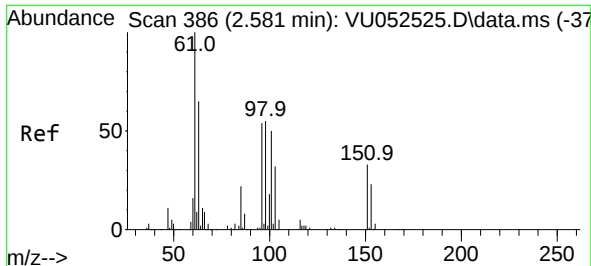
Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 0.0 23.0 42.6#



#8
Chloroethane
Concen: 32.546 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 76.8 21.3 39.5#

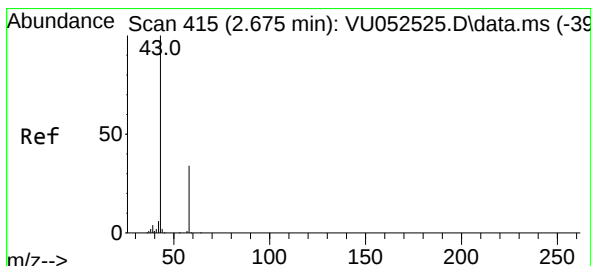
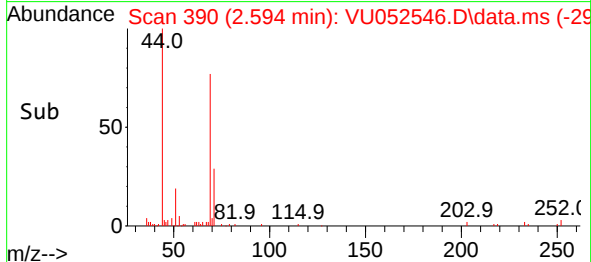
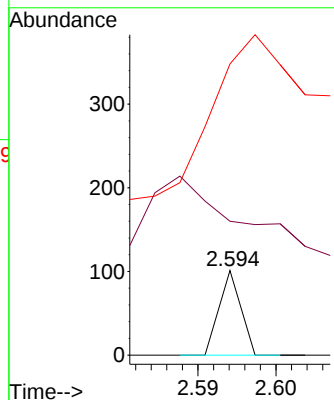
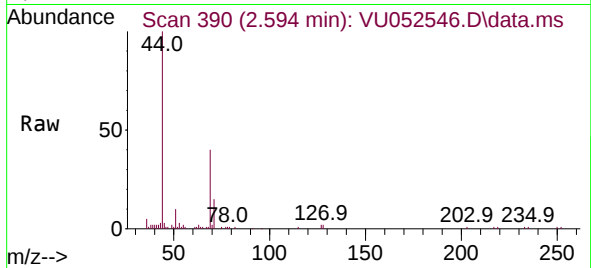




#12
1,1-Dichloroethene
Concen: 6.040 ug/L
RT: 2.594 min Scan# 390
Delta R.T. 0.013 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

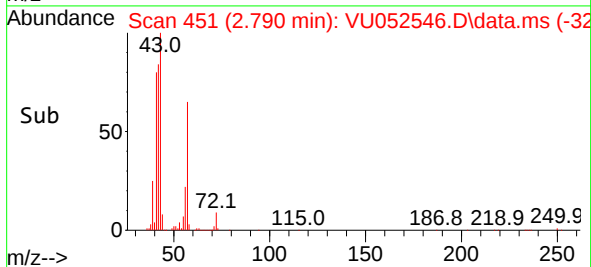
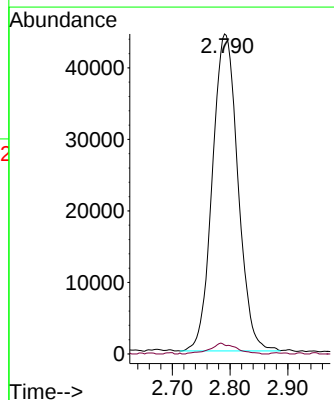
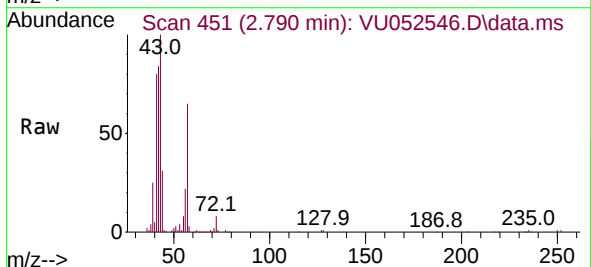
Instrument :
MSVOA_U
ClientSampleId :
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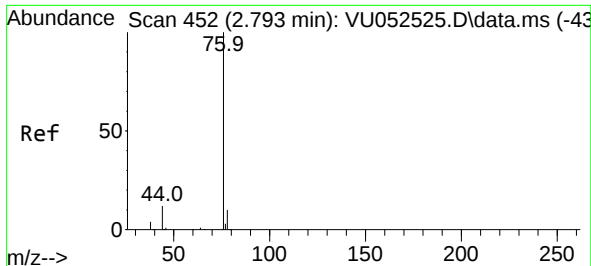
Tgt Ion: 96 Resp: 19
Ion Ratio Lower Upper
96 100
61 158.4 135.4 251.4
63 344.6 95.4 177.2#



#13
Acetone
Concen: 140145.170 ug/L
RT: 2.790 min Scan# 451
Delta R.T. 0.116 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 43 Resp: 136322
Ion Ratio Lower Upper
43 100
58 3.5 0.0 65.4

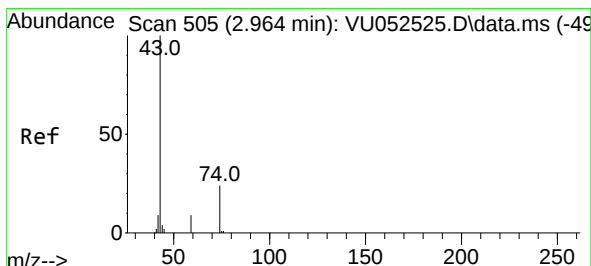
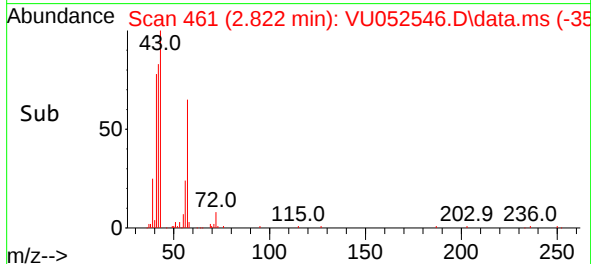
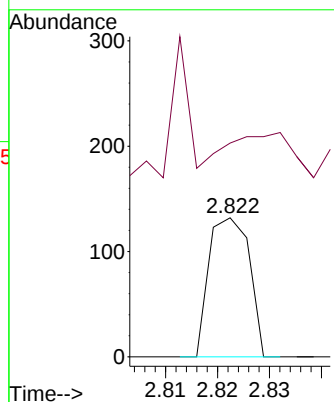
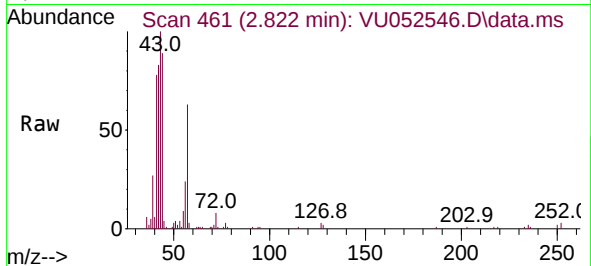




#14
Carbon disulfide
Concen: 7.005 ug/L
RT: 2.822 min Scan# 41
Delta R.T. 0.029 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

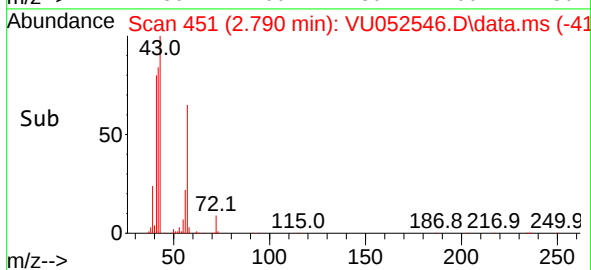
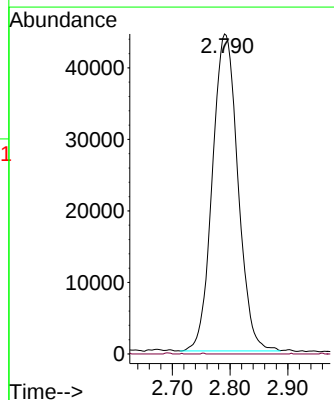
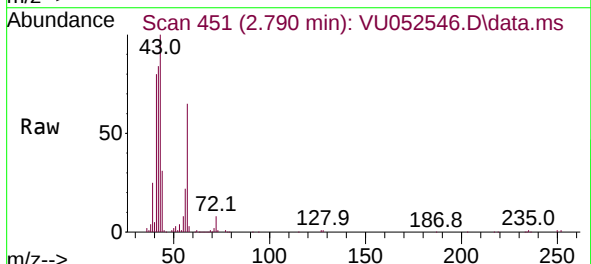
Instrument :
MSVOA_U
ClientSampleId :
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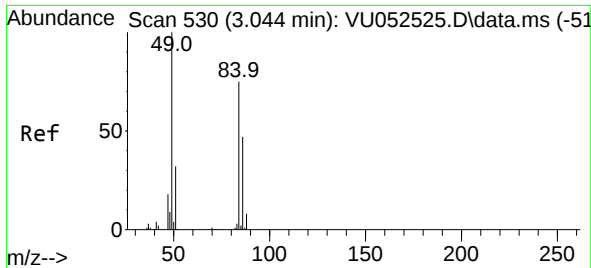
Tgt Ion: 76 Resp: 71
Ion Ratio Lower Upper
76 100
78 153.8 7.1 10.7#



#15
Methyl Acetate
Concen: 63614.402 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.174 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 43 Resp: 136322
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#

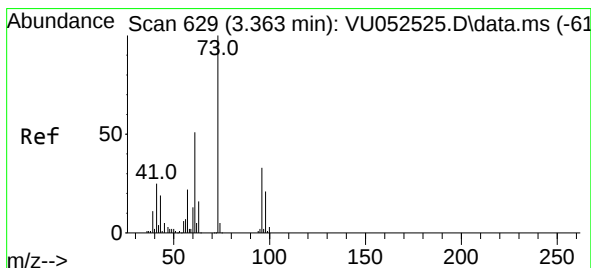
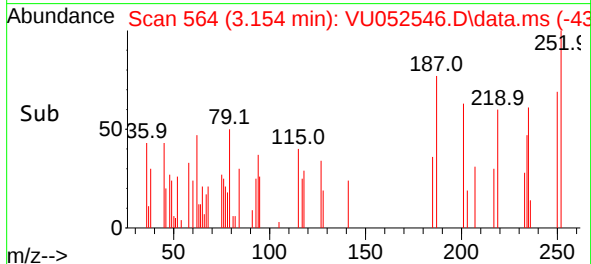
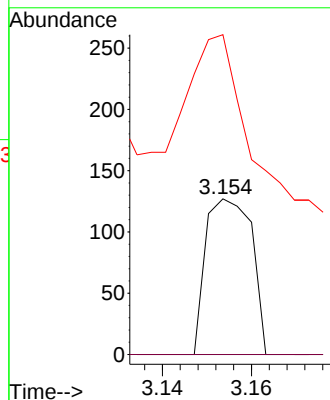
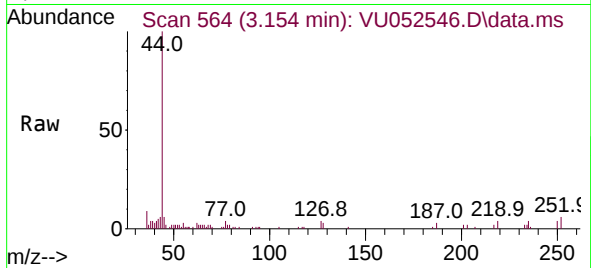




#16
Methylene chloride
Concen: 20.480 ug/L
RT: 3.154 min Scan# 51
Delta R.T. 0.109 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

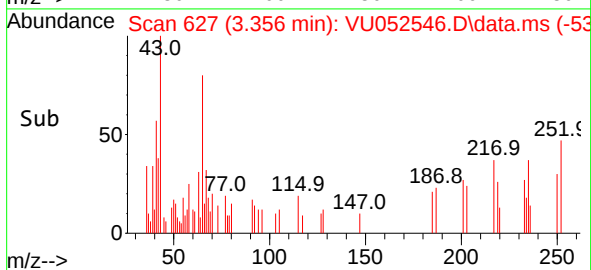
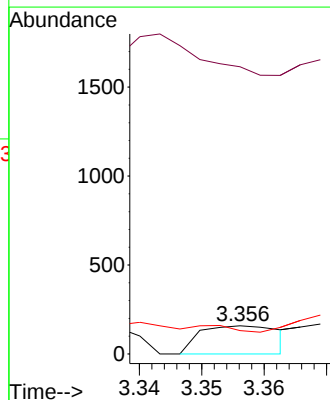
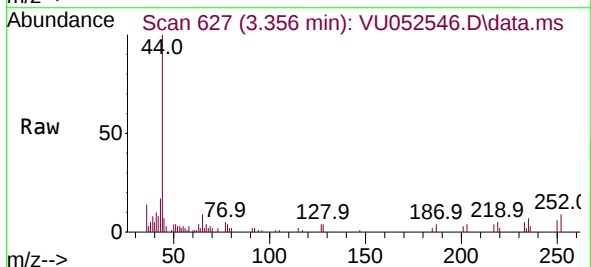
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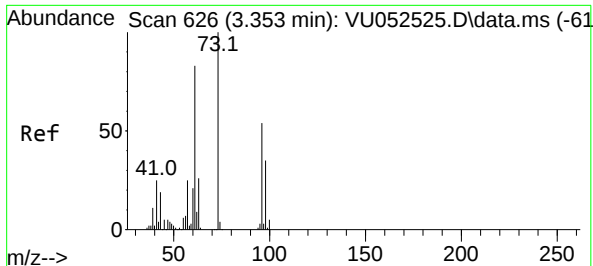
Tgt Ion: 84 Resp: 91
Ion Ratio Lower Upper
84 100
86 0.0 44.7 83.1#
49 205.5 93.3 173.3#



#17
Methyl tert-butyl Ether
Concen: 16.672 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.006 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 73 Resp: 140
Ion Ratio Lower Upper
73 100
43 0.0 16.1 24.1#
57 0.0 19.2 28.8#

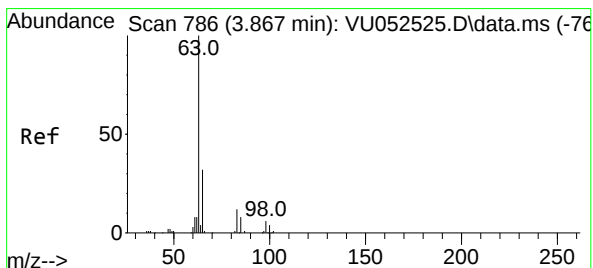
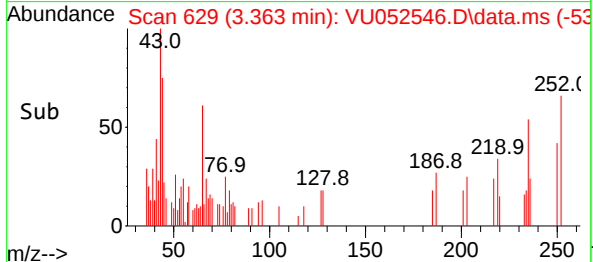
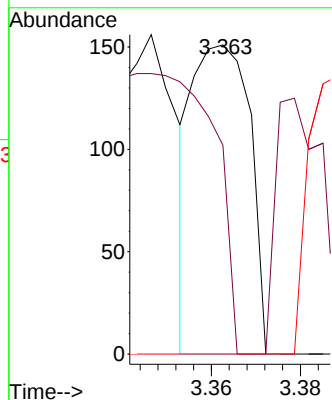
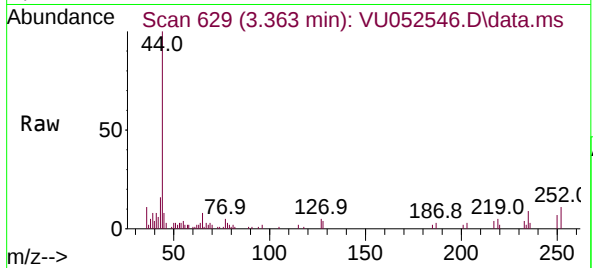




#18
trans-1,2-Dichloroethene
Concen: 41.336 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.010 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

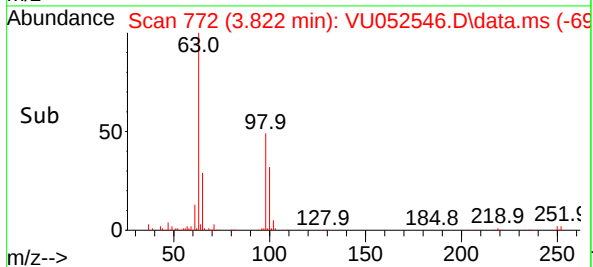
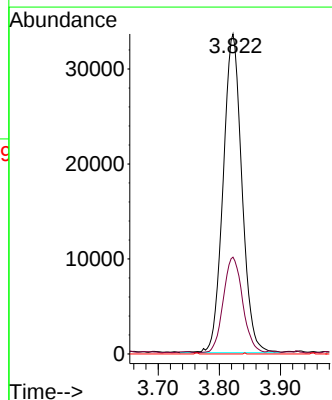
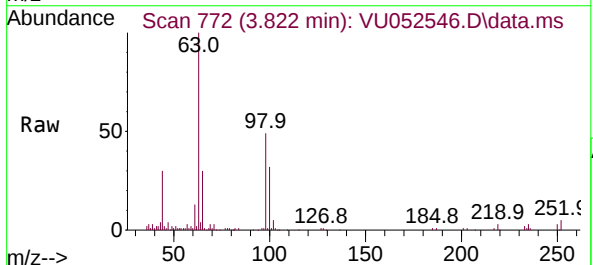
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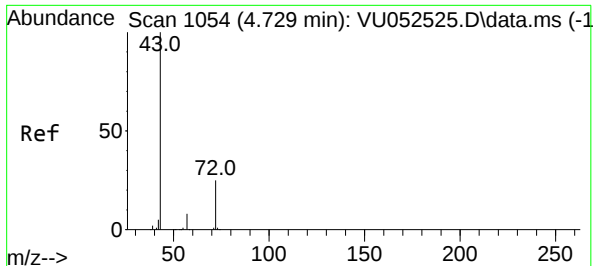
Tgt Ion: 96 Resp: 134
Ion Ratio Lower Upper
96 100
61 67.5 108.3 201.1#
98 0.0 44.0 81.6#



#19
1,1-Dichloroethane
Concen: 10139.060 ug/L
RT: 3.822 min Scan# 772
Delta R.T. -0.045 min
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Acq: 23 Dec 2022 18:42

Tgt Ion: 63 Resp: 71481
Ion Ratio Lower Upper
63 100
65 30.2 22.0 40.8
83 0.0 9.0 16.8#

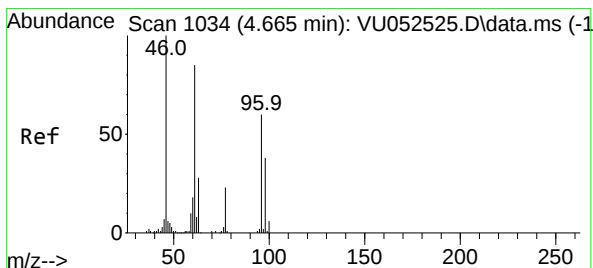
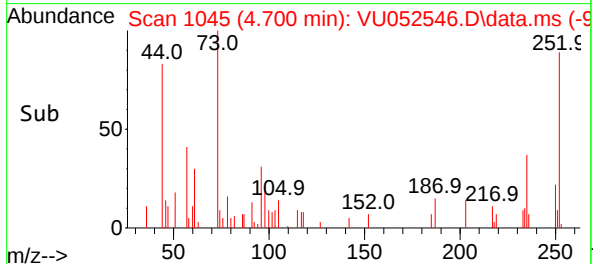
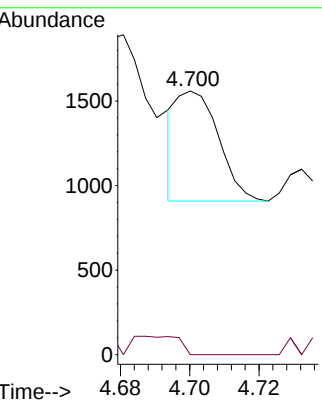
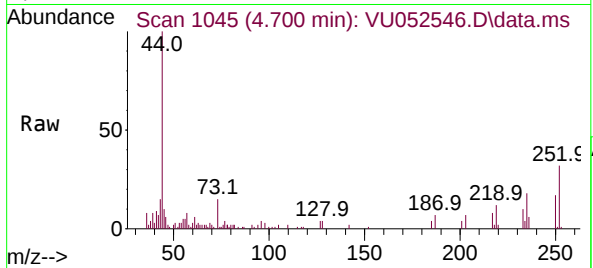




#21
2-Butanone
Concen: 383.919 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.029 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

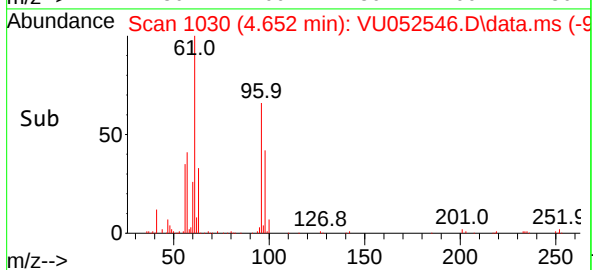
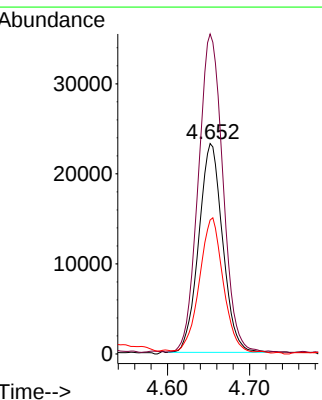
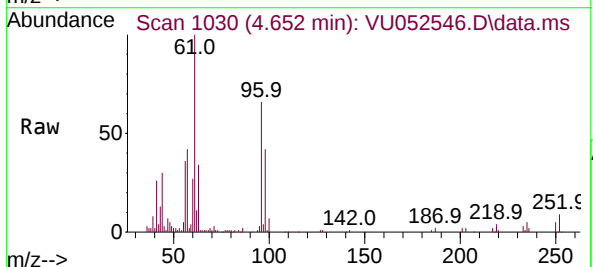
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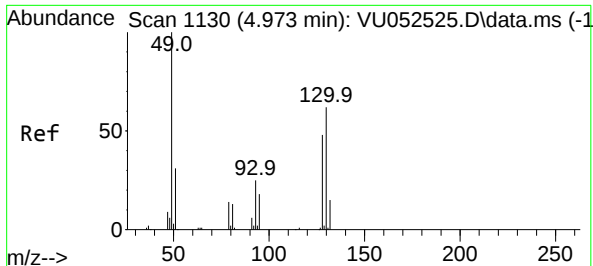
Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
72 18.5 11.6 34.7



#22
cis-1,2-Dichloroethene
Concen: 13204.036 ug/L
RT: 4.652 min Scan# 1030
Delta R.T. -0.013 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 96 Resp: 46976
Ion Ratio Lower Upper
96 100
61 152.1 96.9 180.1
98 63.7 44.7 83.1

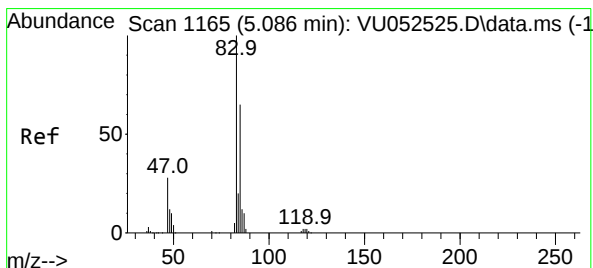
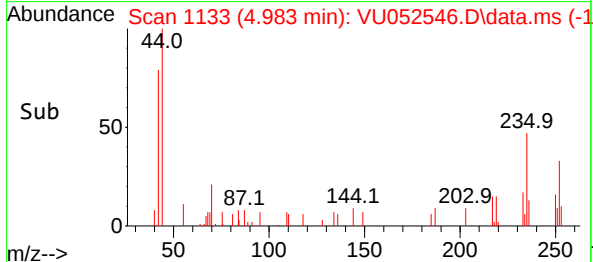
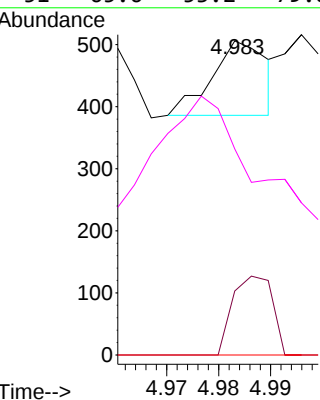
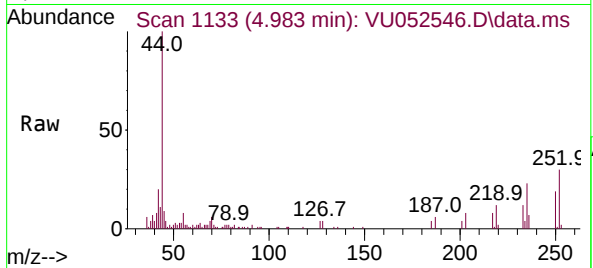




#23
Bromochloromethane
Concen: 53.375 ug/L
RT: 4.983 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

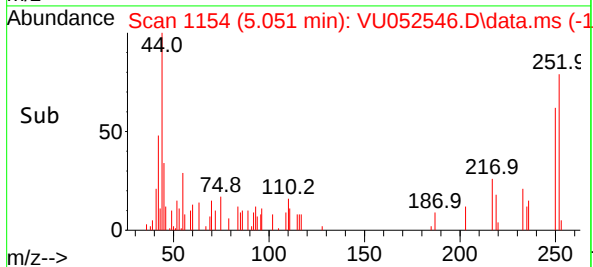
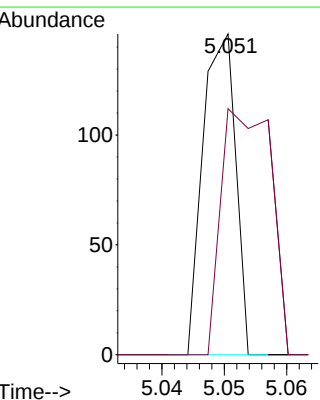
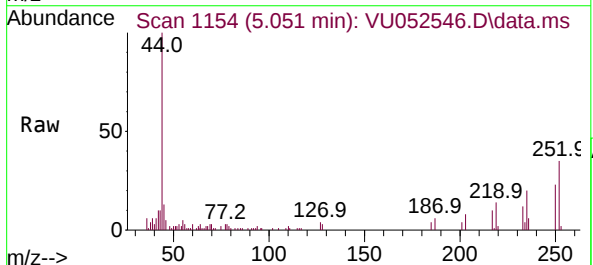
Instrument :
MSVOA_U
ClientSampleId :
GBQD5

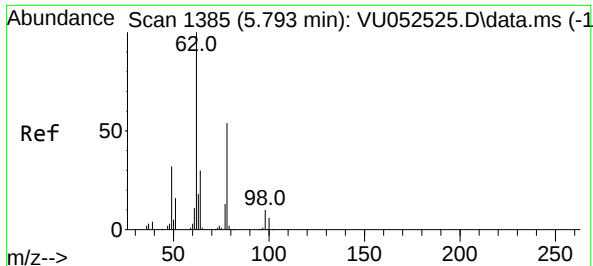
Tgt Ion:128 Resp: 88
Ion Ratio Lower Upper
128 100
49 20.4 143.3 266.1#
130 0.0 88.4 164.2#
51 65.6 53.2 79.8



#25
Chloroform
Concen: 7.759 ug/L
RT: 5.051 min Scan# 1154
Delta R.T. -0.035 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
85 76.7 44.7 83.1

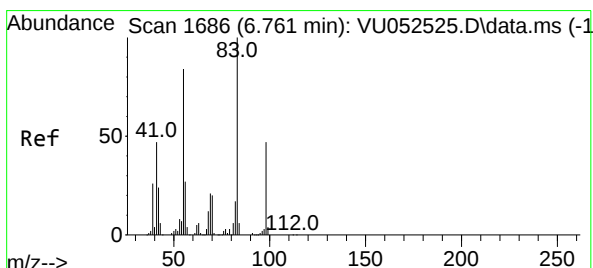
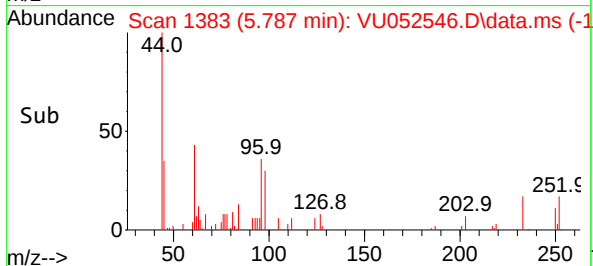
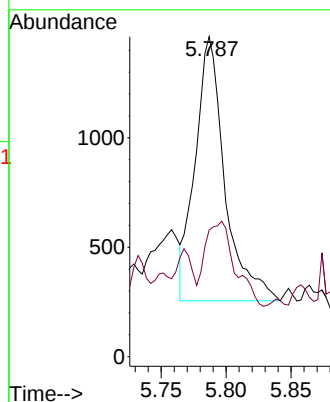
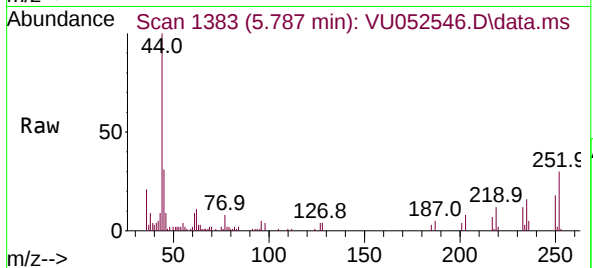




#27
1,2-Dichloroethane
Concen: 406.418 ug/L
RT: 5.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

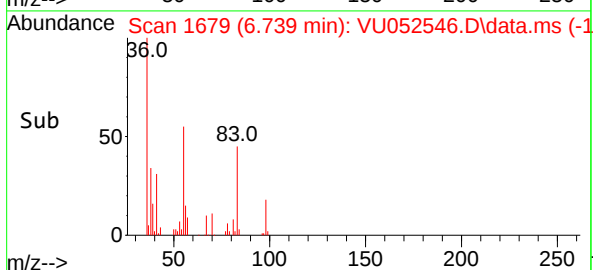
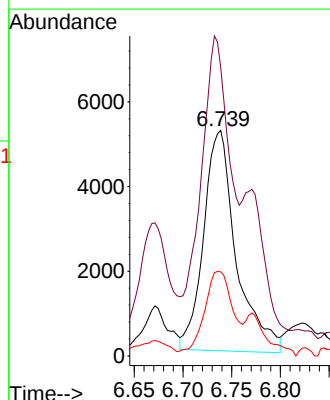
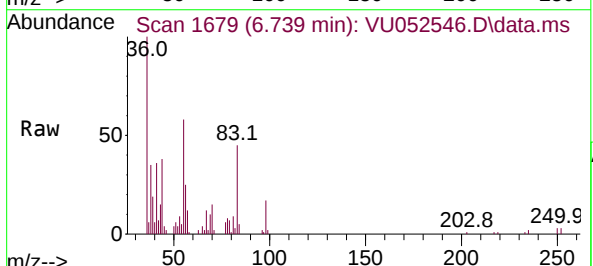
Instrument :
MSVOA_U
ClientSampleId :
GBQD5

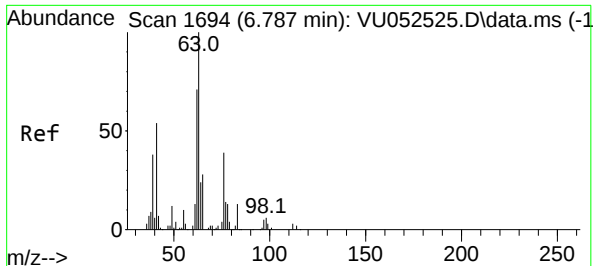
Tgt Ion: 62 Resp: 1918
Ion Ratio Lower Upper
62 100
98 39.6 7.4 11.2#



#35
Methylcyclohexane
Concen: 0.682 ug/L
RT: 6.739 min Scan# 1679
Delta R.T. -0.023 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 83 Resp: 12141
Ion Ratio Lower Upper
83 100
55 94.0 71.4 107.0
98 33.8 36.5 54.7#

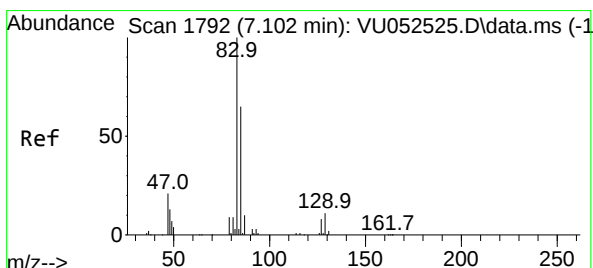
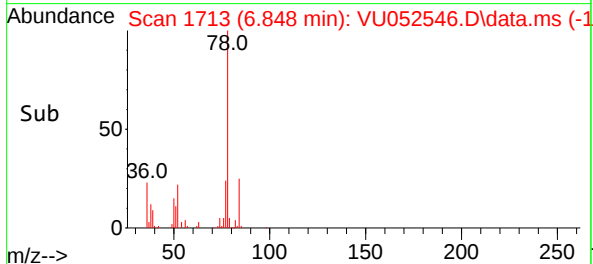
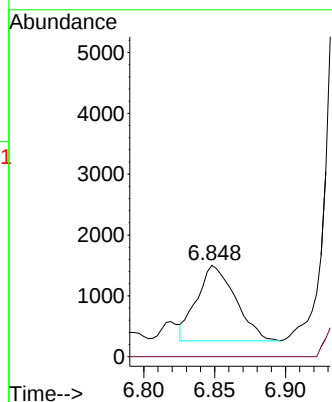
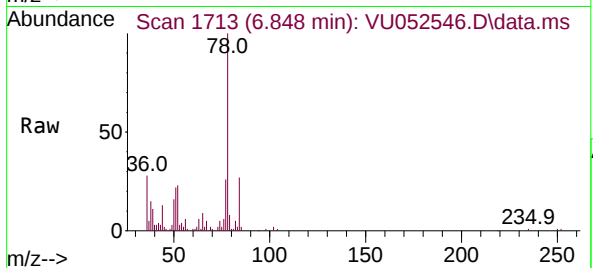




#37
1,2-Dichloropropane
Concen: 0.167 ug/L
RT: 6.848 min Scan# 11
Delta R.T. 0.061 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

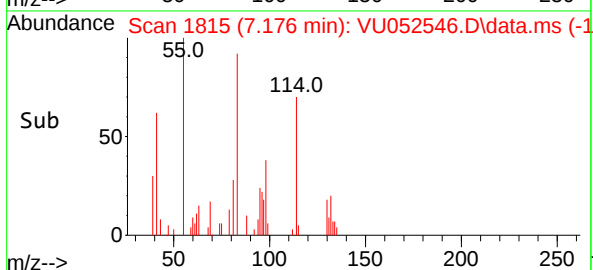
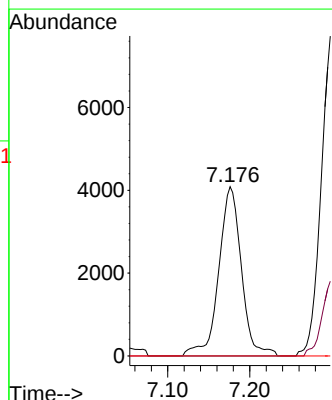
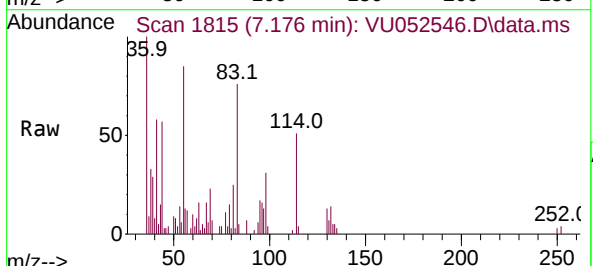
Instrument :
MSVOA_U
ClientSampleId :
GBQD5

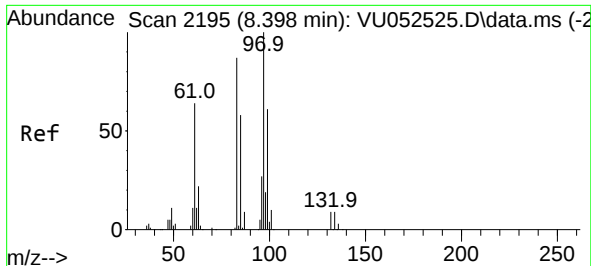
Tgt Ion: 63 Resp: 2353
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#38
Bromodichloromethane
Concen: 0.456 ug/L
RT: 7.176 min Scan# 1815
Delta R.T. 0.074 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion: 83 Resp: 7824
Ion Ratio Lower Upper
83 100
85 0.0 45.2 84.0#
127 0.0 5.8 8.6#

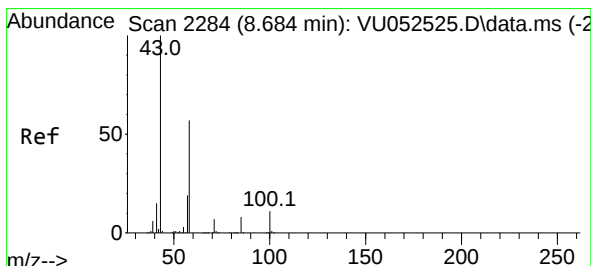
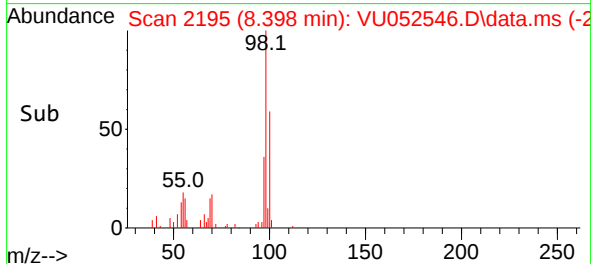
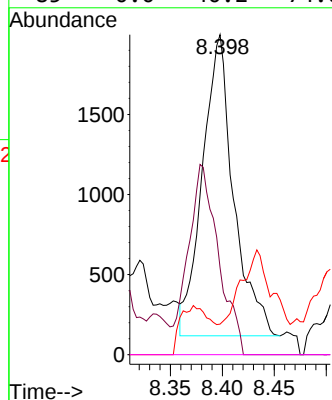
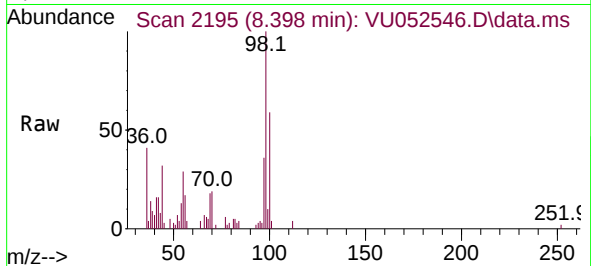




#45
1,1,2-Trichloroethane
Concen: 0.392 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Instrument :
MSVOA_U
ClientSampleId :
GBQD5

Tgt Ion:	97	Resp:	3910
Ion	Ratio	Lower	Upper
97	100		
99	27.2	42.0	78.0#
83	9.6	63.2	117.4#
85	0.0	40.2	74.6#



#48
2-Hexanone
Concen: 2.125 ug/L
RT: 8.883 min Scan# 2346
Delta R.T. 0.199 min
Lab File: VU052546.D
Acq: 23 Dec 2022 18:42

Tgt Ion:	43	Resp:	16494
Ion	Ratio	Lower	Upper
43	100		
58	33.6	44.1	66.1#
57	41.1	14.6	21.8#
100	3.8	8.5	12.7#

