

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052838.D
 Acq On : 27 Jan 2023 11:53
 Operator : JC/MD
 Sample : 01295-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC5

Quant Time: Jan 27 22:21:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

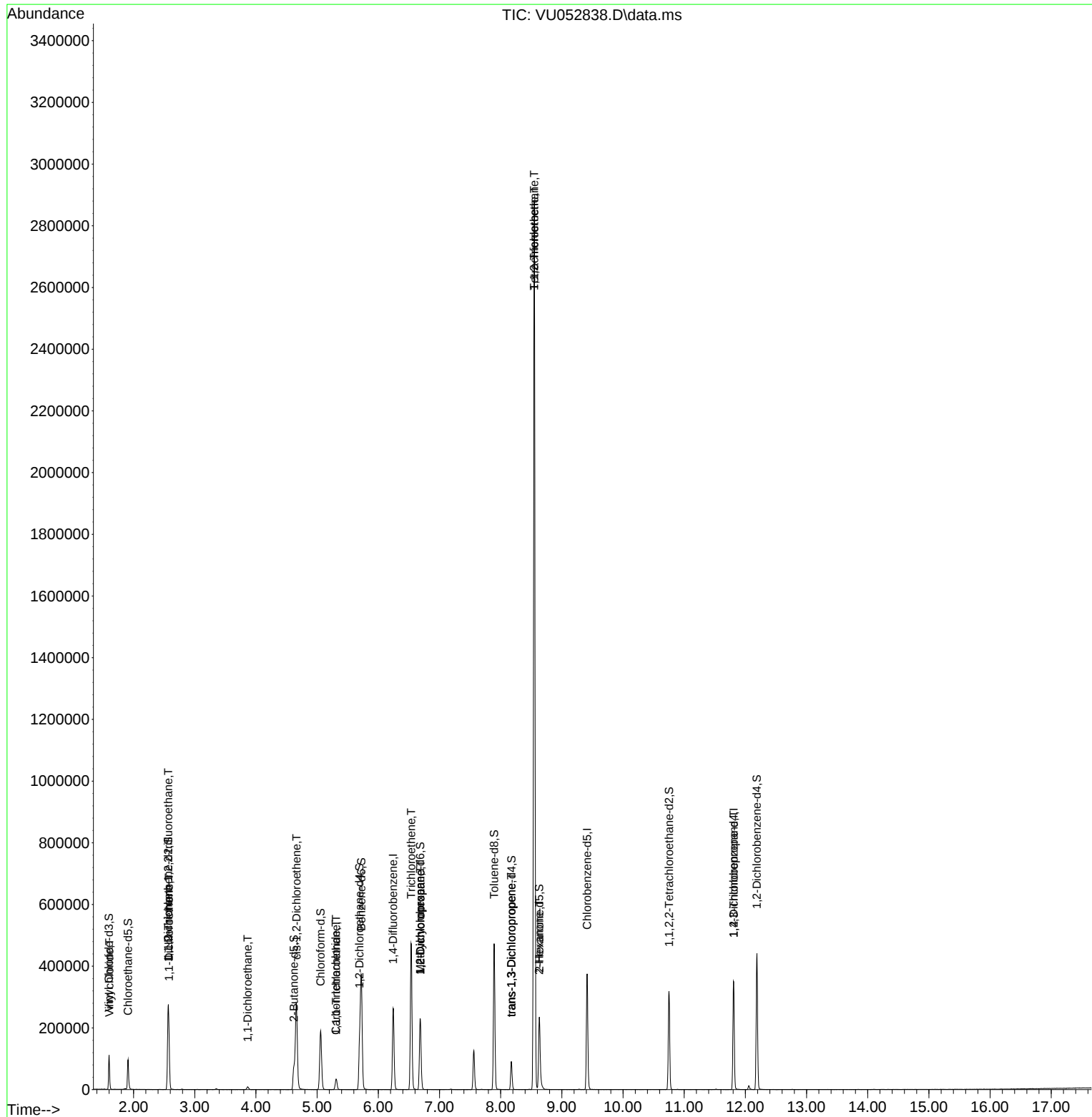
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	219991	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	214417	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	98172	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79445	50.174	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.340%
7) Chloroethane-d5	1.909	69	70913	54.353	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.700%
11) 1,1-Dichloroethene-d2	2.565	63	145435	46.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.360%
21) 2-Butanone-d5	4.620	46	106350	108.726	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.730%
24) Chloroform-d	5.057	84	180939	53.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.080%
26) 1,2-Dichloroethane-d4	5.694	65	120945	56.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.100%
32) Benzene-d6	5.723	84	357140	54.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.040%
36) 1,2-Dichloropropane-d6	6.684	67	106213	55.283	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.560%
41) Toluene-d8	7.893	98	309409	51.870	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.740%
43) trans-1,3-Dichloroprop...	8.176	79	50507	52.450	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.900%
47) 2-Hexanone-d5	8.629	63	79756	118.145	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	150934	53.172	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.340%
66) 1,2-Dichlorobenzene-d4	12.189	152	122660	64.347	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	128.700%#
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	3015	1.604	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1167	0.658	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	38726	23.796	ug/L #	66
19) 1,1-Dichloroethane	3.864	63	10535	3.416	ug/L	96
20) cis-1,2-Dichloroethene	4.662	96	151088	80.463	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	26103	8.276	ug/L	98
31) Carbon tetrachloride	5.308	117	3112	1.138	ug/L	96
34) Trichloroethene	6.536	95	155753	83.957	ug/L	95
35) Methylcyclohexane	6.684	83	27979	9.529	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	11867	6.613	ug/L #	85
44) trans-1,3-Dichloropropene	8.173	75	2185	0.791	ug/L	91
45) 1,1,2-Trichloroethane	8.549	97	5281	2.878	ug/L #	1
46) Tetrachloroethene	8.549	164	650790	407.398	ug/L	98
48) 2-Hexanone	8.632	43	10597	5.925	ug/L #	76
60) 1,2,3-Trichloropropane	11.809	75	9434	4.954	ug/L #	62

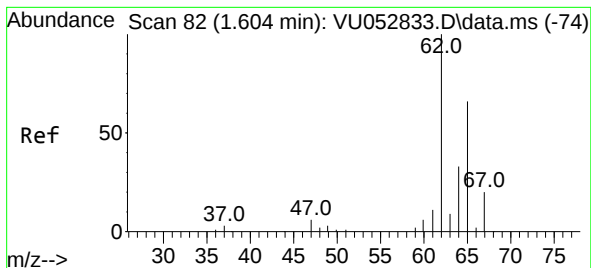
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 27 22:20:01 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.604 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052838.D

Acq: 27 Jan 2023 11:53

Instrument :

MSVOA_U

ClientSampleId :

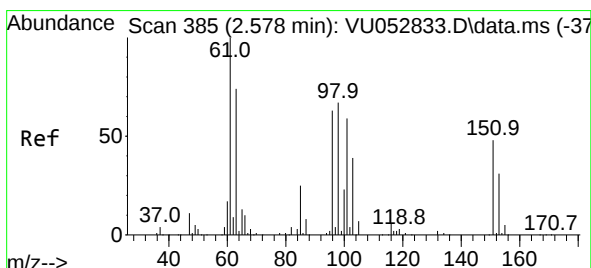
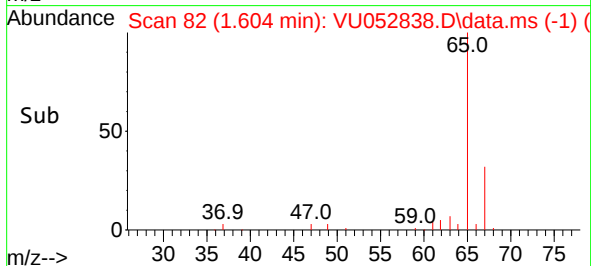
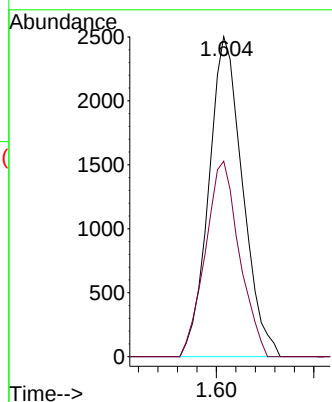
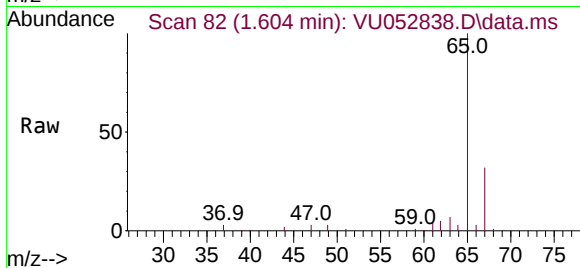
C0LC5

Tgt Ion: 62 Resp: 3015

Ion Ratio Lower Upper

62 100

64 61.1 22.4 41.6#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.658 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU052838.D

Acq: 27 Jan 2023 11:53

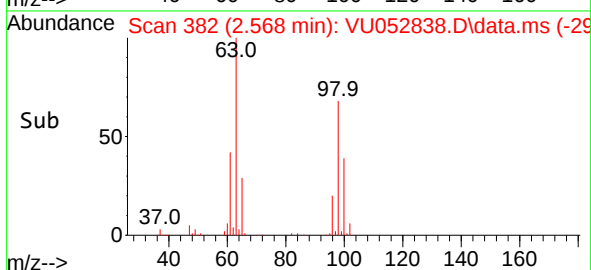
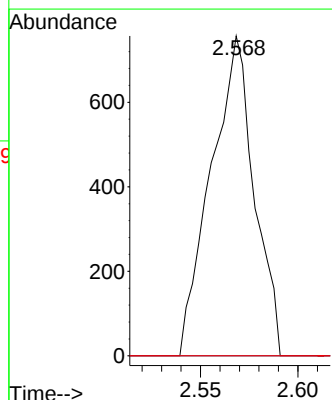
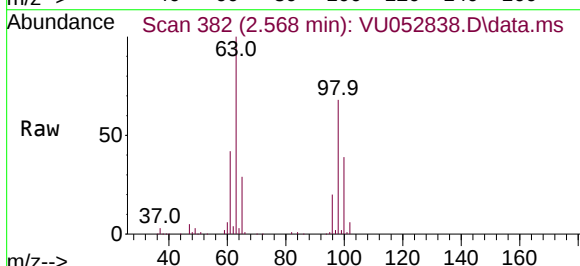
Tgt Ion: 101 Resp: 1167

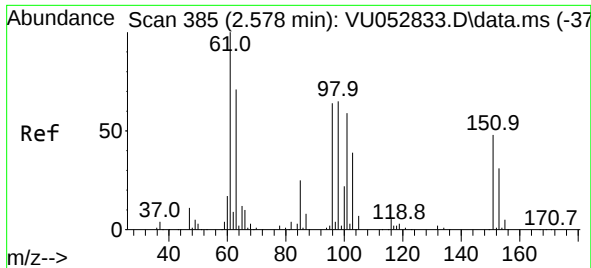
Ion Ratio Lower Upper

101 100

85 0.0 32.9 49.3#

151 0.0 62.6 94.0#

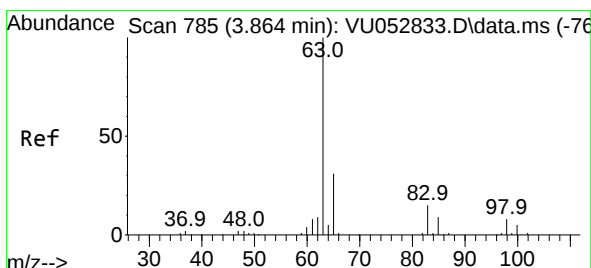
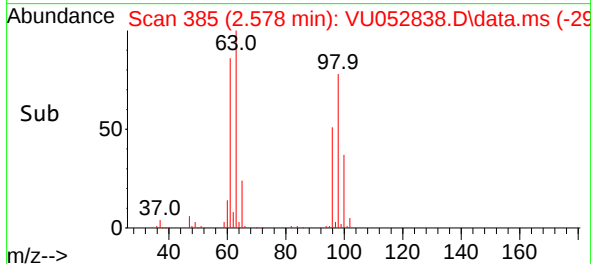
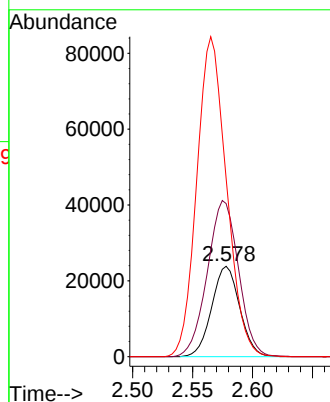
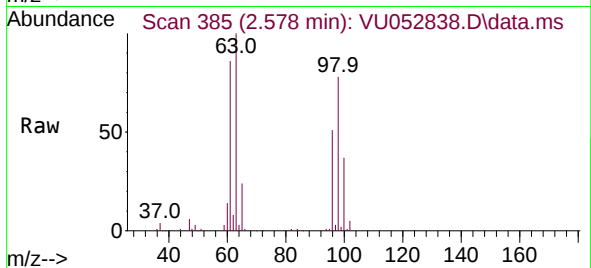




#12
1,1-Dichloroethene
Concen: 23.796 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

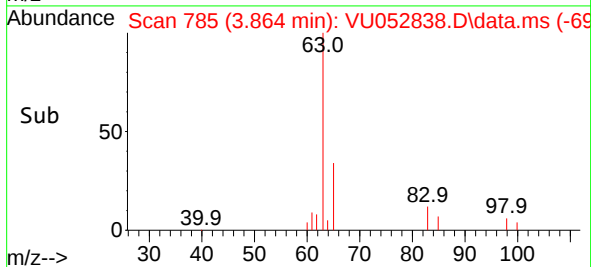
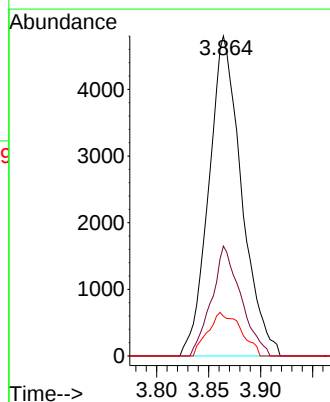
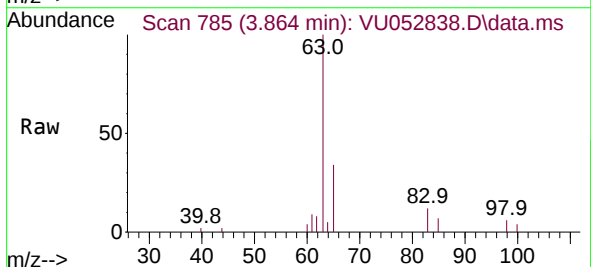
Instrument :
MSVOA_U
ClientSampleId :
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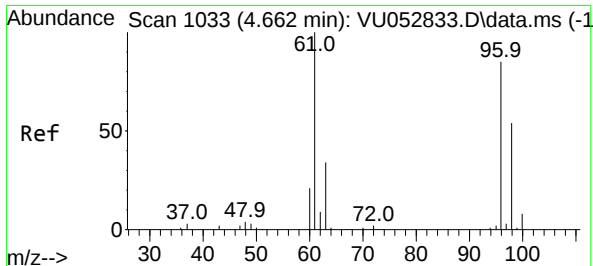
Tgt Ion: 96 Resp: 38726
Ion Ratio Lower Upper
96 100
61 169.3 114.3 212.3
63 197.2 80.6 149.6#



#19
1,1-Dichloroethane
Concen: 3.416 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

Tgt Ion: 63 Resp: 10535
Ion Ratio Lower Upper
63 100
65 34.3 22.4 41.6
83 12.4 9.2 17.2

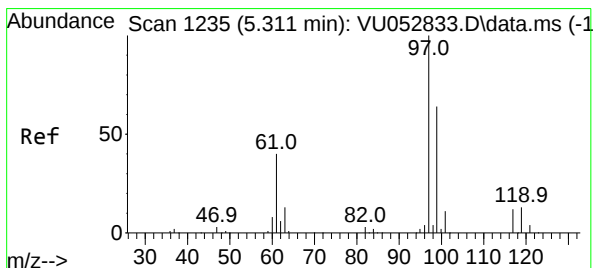
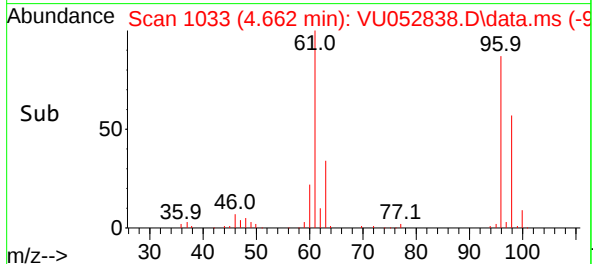
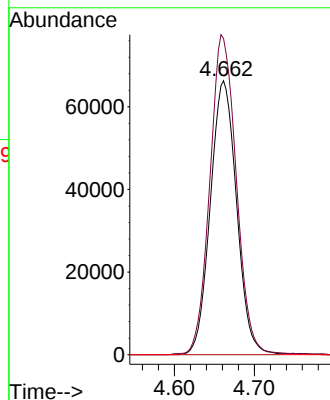
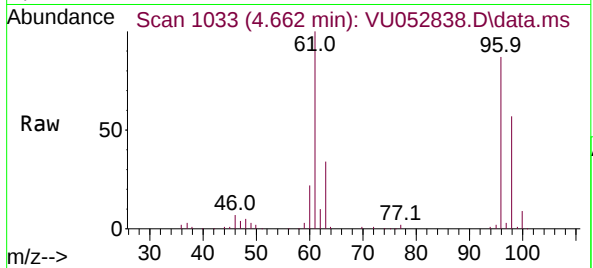




#20
 cis-1,2-Dichloroethene
 Concen: 80.463 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052838.D
 Acq: 27 Jan 2023 11:53

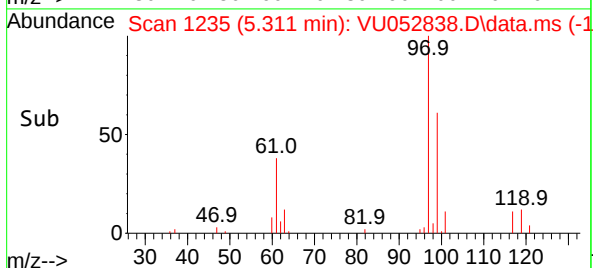
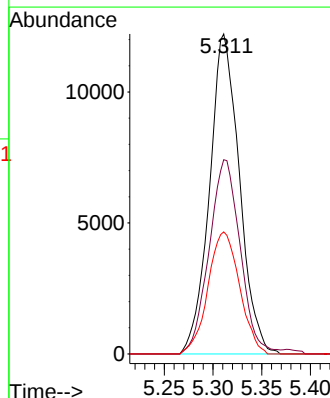
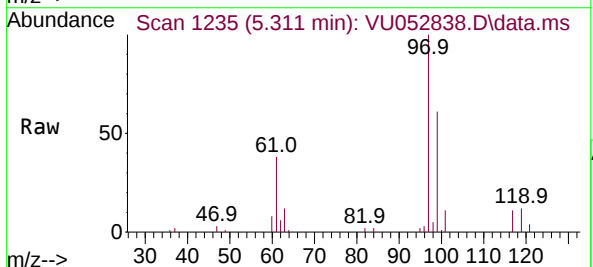
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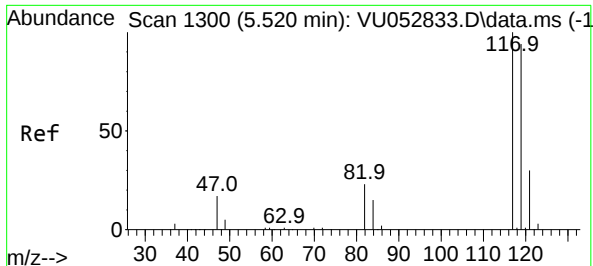
Tgt Ion: 96 Resp: 151088
 Ion Ratio Lower Upper
 96 100
 61 115.4 84.1 156.1
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 8.276 ug/L
 RT: 5.311 min Scan# 1235
 Delta R.T. -0.000 min
 Lab File: VU052838.D
 Acq: 27 Jan 2023 11:53

Tgt Ion: 97 Resp: 26103
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.4 77.0
 61 40.2 33.0 49.6

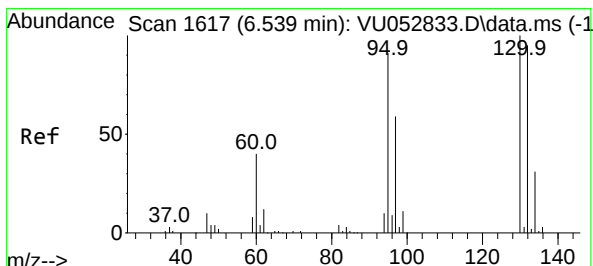
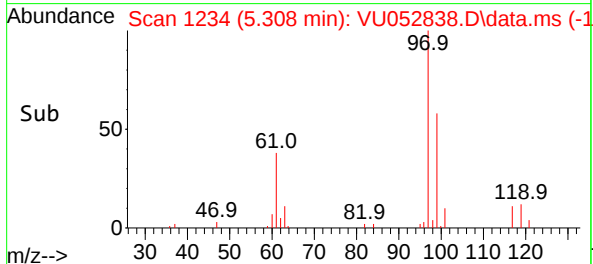
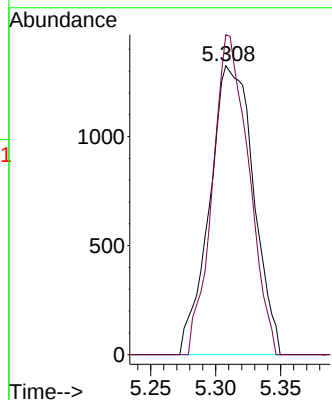
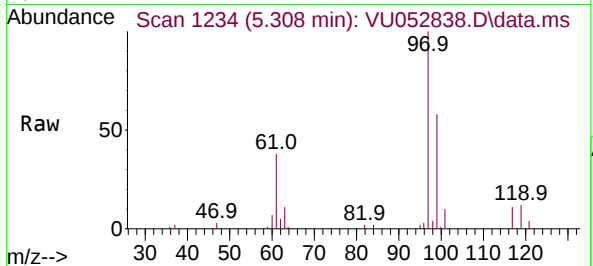




#31
Carbon tetrachloride
Concen: 1.138 ug/L
RT: 5.308 min Scan# 11
Delta R.T. -0.212 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

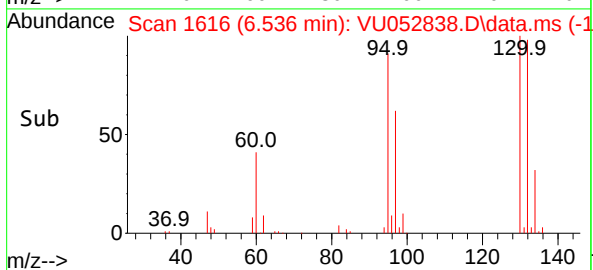
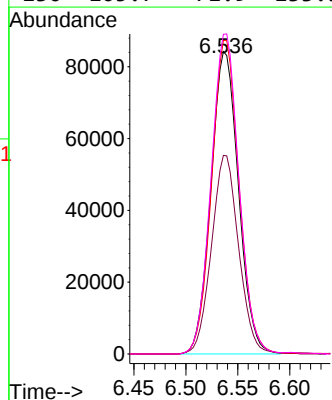
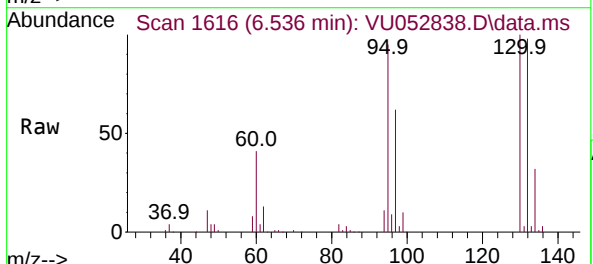
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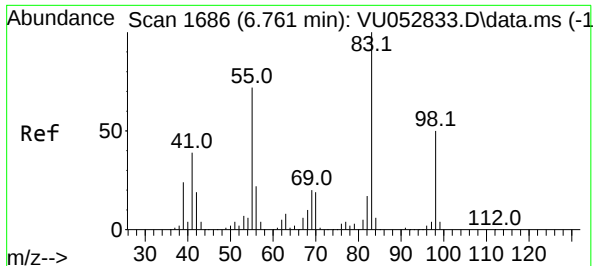
Tgt Ion:117 Resp: 3112
Ion Ratio Lower Upper
117 100
119 91.4 76.2 114.4



#34
Trichloroethene
Concen: 83.957 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

Tgt Ion: 95 Resp: 155753
Ion Ratio Lower Upper
95 100
97 65.7 44.5 82.7
132 103.7 66.8 124.0
130 105.7 71.9 133.5

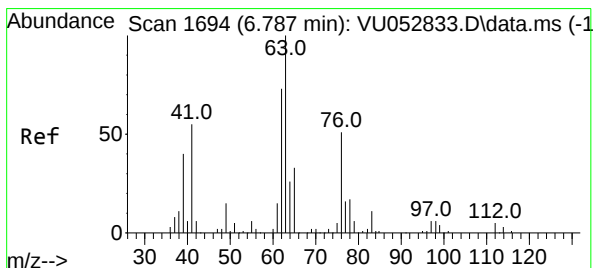
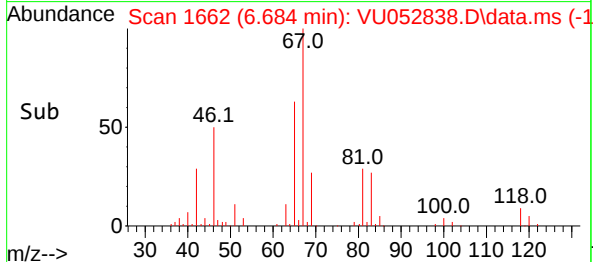
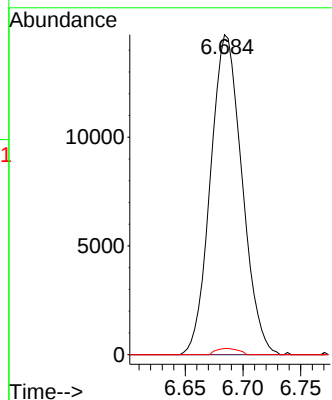
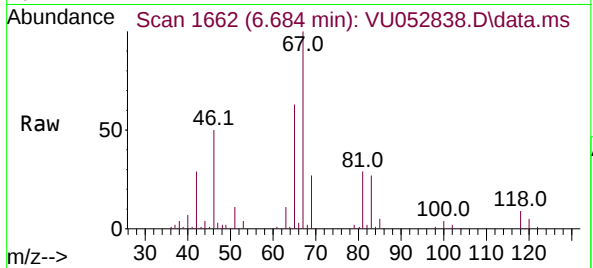




#35
Methylcyclohexane
Concen: 9.529 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.077 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

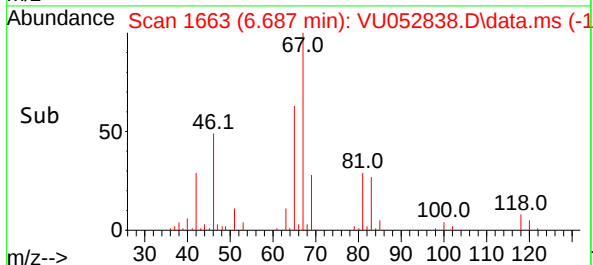
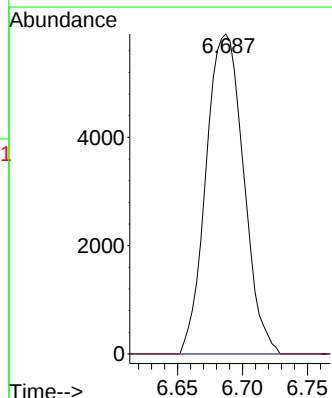
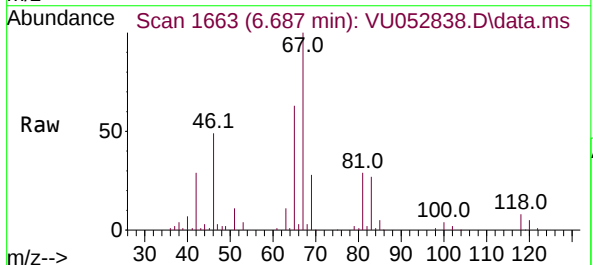
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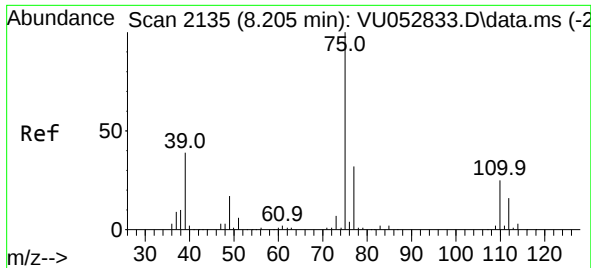
Tgt Ion: 83 Resp: 27979
Ion Ratio Lower Upper
83 100
55 0.0 57.1 85.7#
98 1.4 38.9 58.3#



#37
1,2-Dichloropropane
Concen: 6.613 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

Tgt Ion: 63 Resp: 11867
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#

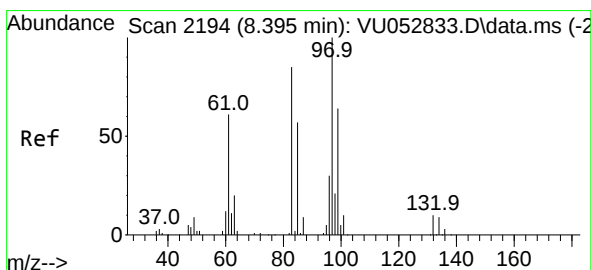
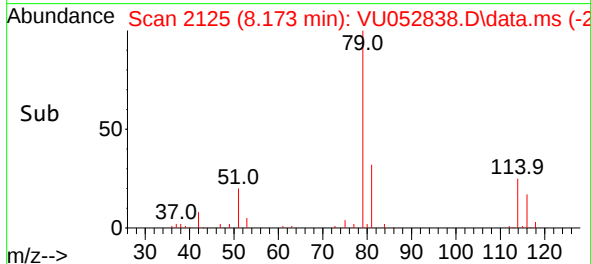
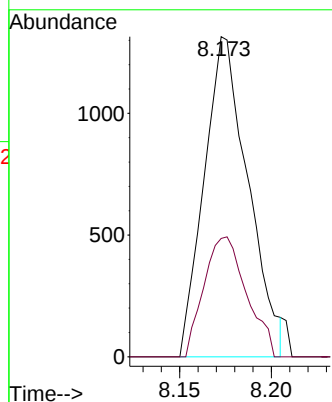
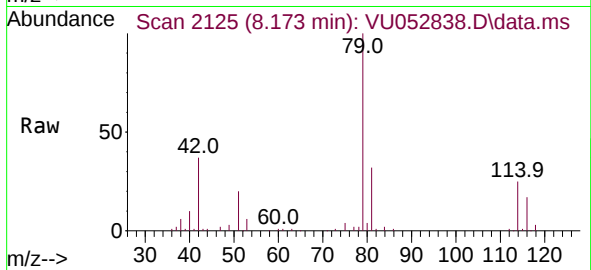




#44
trans-1,3-Dichloropropene
Concen: 0.791 ug/L
RT: 8.173 min Scan# 2135
Delta R.T. -0.032 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

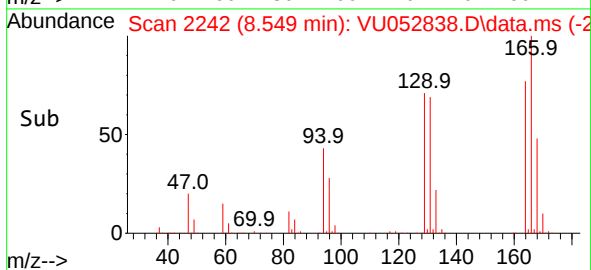
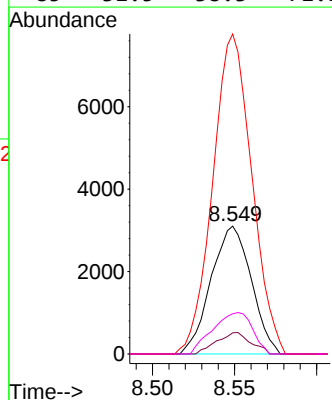
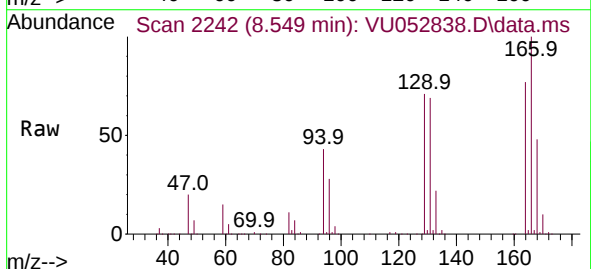
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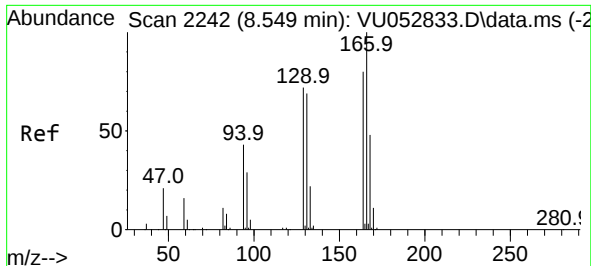
Tgt Ion: 75 Resp: 2185
Ion Ratio Lower Upper
75 100
77 37.0 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 2.878 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.154 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

Tgt Ion: 97 Resp: 5281
Ion Ratio Lower Upper
97 100
99 16.5 44.7 83.1#
83 250.2 60.3 112.1#
85 31.5 38.3 71.1#

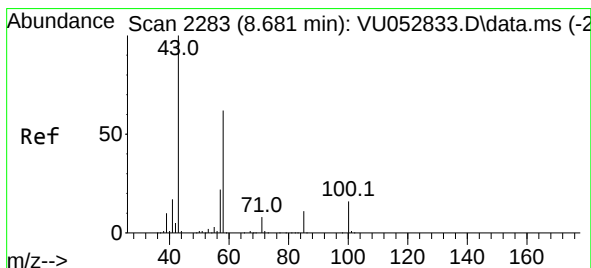
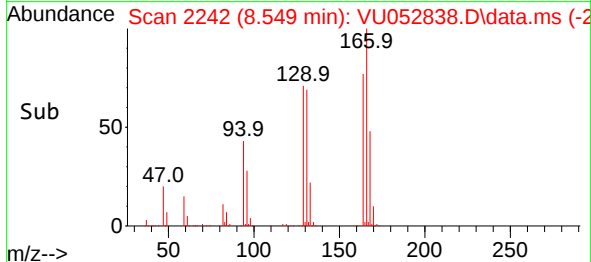
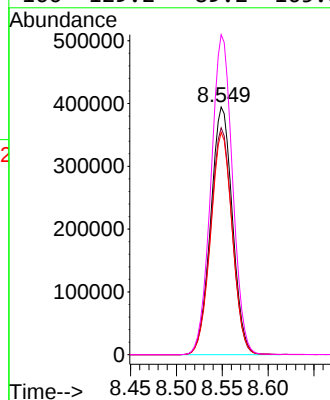
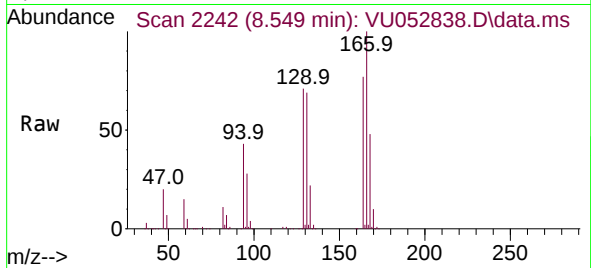




#46
Tetrachloroethene
Concen: 407.398 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

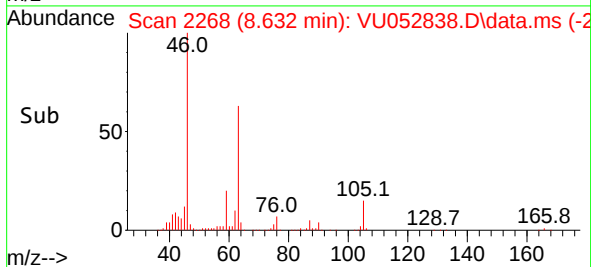
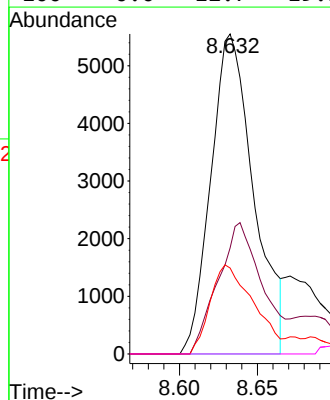
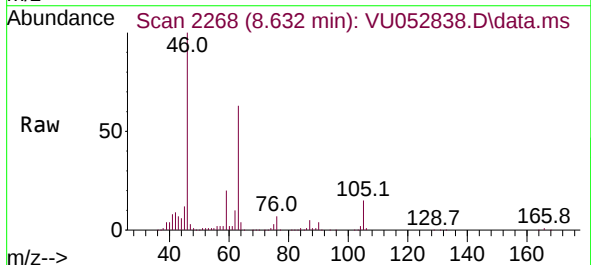
Instrument :
MSVOA_U
ClientSampleId :
COLC5

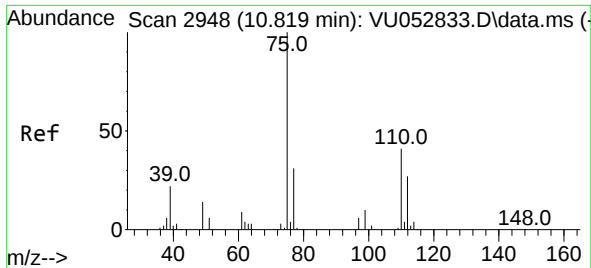
Tgt Ion:164 Resp: 650790
Ion Ratio Lower Upper
164 100
129 91.6 64.8 120.3
131 89.8 61.2 113.6
166 129.2 89.2 165.8



#48
2-Hexanone
Concen: 5.925 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.048 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

Tgt Ion: 43 Resp: 10597
Ion Ratio Lower Upper
43 100
58 42.4 48.0 72.0#
57 28.3 16.8 25.2#
100 0.0 12.7 19.1#





#60
1,2,3-Trichloropropane
Concen: 4.954 ug/L
RT: 11.809 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU052838.D
Acq: 27 Jan 2023 11:53

Instrument :
MSVOA_U
ClientSampleId :
C0LC5

Tgt Ion: 75 Resp: 9434
Ion Ratio Lower Upper
75 100
77 36.1 25.8 38.8
110 1.4 32.4 48.6#

