

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052845.D
 Acq On : 27 Jan 2023 14:37
 Operator : JC/MD
 Sample : 01295-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC9

Quant Time: Jan 27 22:23:17 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)

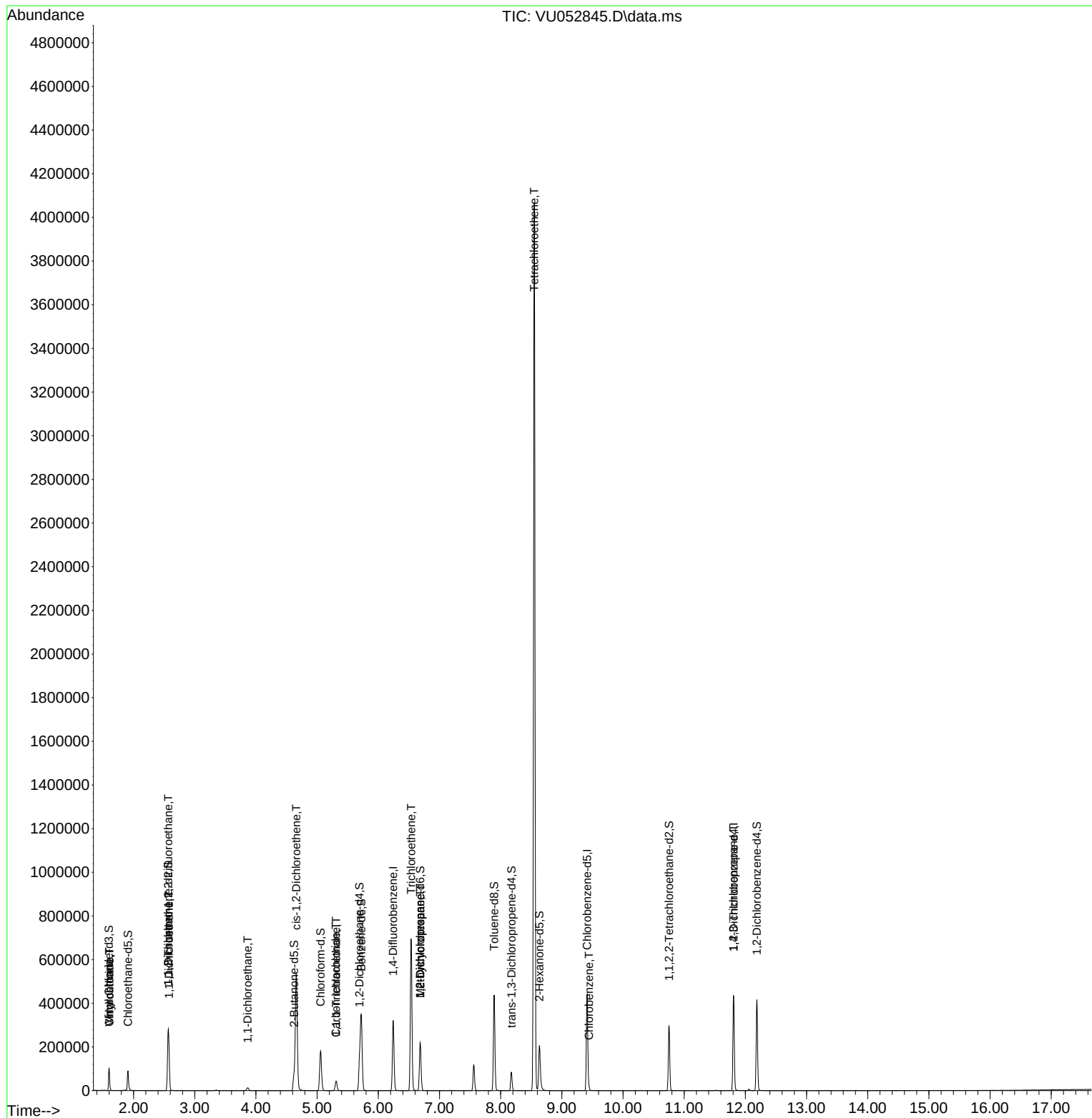
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	265746	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	257592	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	121529	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71468	37.365	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.720%		
7) Chloroethane-d5	1.909	69	66828	42.403	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.800%		
11) 1,1-Dichloroethene-d2	2.565	63	143131	37.623	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.240%		
21) 2-Butanone-d5	4.623	46	96530	81.695	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.700%		
24) Chloroform-d	5.057	84	173258	42.443	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.880%		
26) 1,2-Dichloroethane-d4	5.694	65	115320	44.244	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.480%		
32) Benzene-d6	5.723	84	338417	43.002	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.000%		
36) 1,2-Dichloropropane-d6	6.684	67	99570	43.139	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.280%		
41) Toluene-d8	7.893	98	294476	41.092	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.180%		
43) trans-1,3-Dichloroprop...	8.176	79	47825	41.341	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.680%		
47) 2-Hexanone-d5	8.632	63	72745	89.698	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.700%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138841	40.714	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.420%		
66) 1,2-Dichlorobenzene-d4	12.189	152	114261	48.421	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.840%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	7723	3.401	ug/L #	77
8) Chloroethane	1.604	64	3580	2.510	ug/L	82
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1308	0.610	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	51635	26.265	ug/L	90
19) 1,1-Dichloroethane	3.864	63	15309	4.109	ug/L #	96
20) cis-1,2-Dichloroethene	4.658	96	287870	126.912	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	32251	8.512	ug/L	99
31) Carbon tetrachloride	5.308	117	4023	1.225	ug/L	97
34) Trichloroethene	6.536	95	230306	103.337	ug/L	95
35) Methylcyclohexane	6.684	83	26719	7.575	ug/L #	20
37) 1,2-Dichloropropane	6.684	63	11524	5.346	ug/L #	85
46) Tetrachloroethene	8.549	164	934576	486.990	ug/L	99
51) Chlorobenzene	9.443	112	7549	1.221	ug/L	93
60) 1,2,3-Trichloropropane	11.806	75	12748	5.408	ug/L #	64

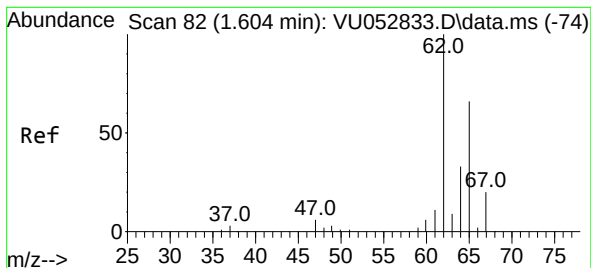
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.401 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

Instrument :

MSVOA_U

ClientSampleId :

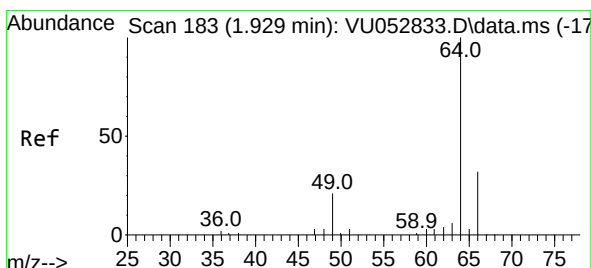
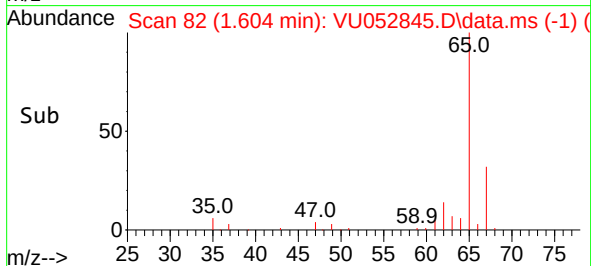
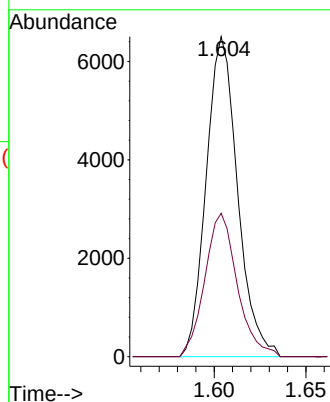
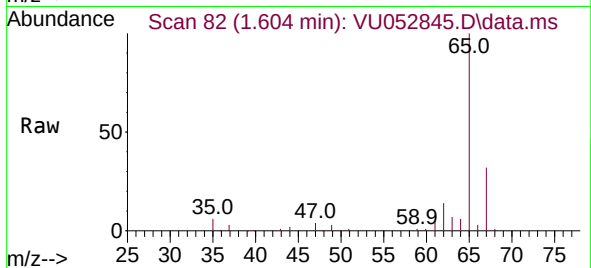
C0LC9

Tgt Ion: 62 Resp: 7723

Ion Ratio Lower Upper

62 100

64 44.8 22.4 41.6#



#8

Chloroethane

Concen: 2.510 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.325 min

Lab File: VU052845.D

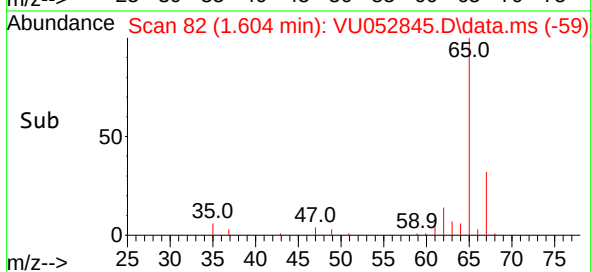
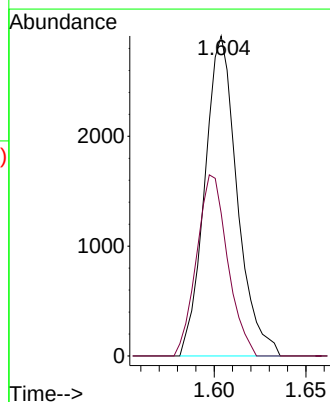
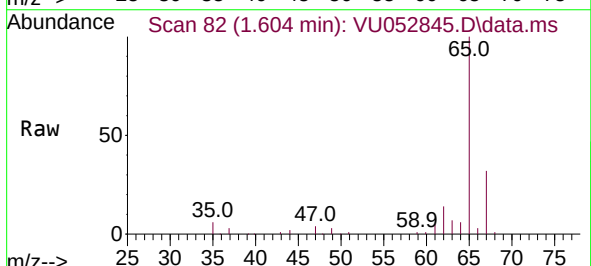
Acq: 27 Jan 2023 14:37

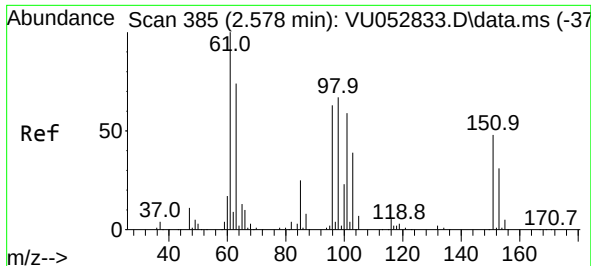
Tgt Ion: 64 Resp: 3580

Ion Ratio Lower Upper

64 100

66 44.6 24.1 44.7





#10

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

Concen: 0.610 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

Instrument :

MSVOA_U

ClientSampleId :

C0LC9

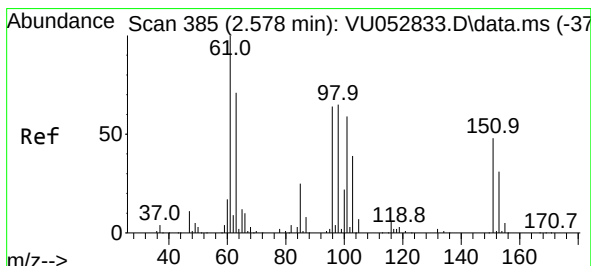
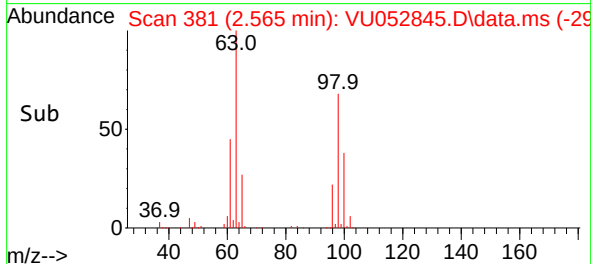
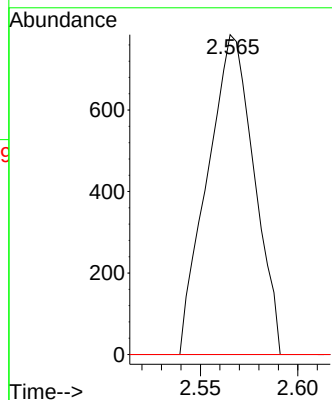
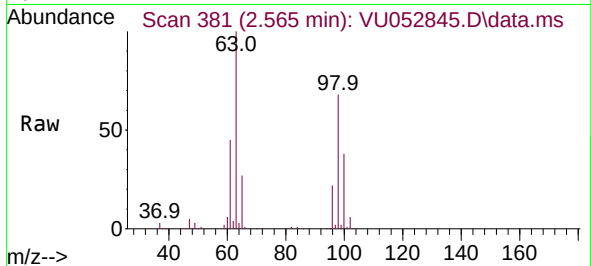
Tgt Ion:101 Resp: 1308

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: 26.265 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

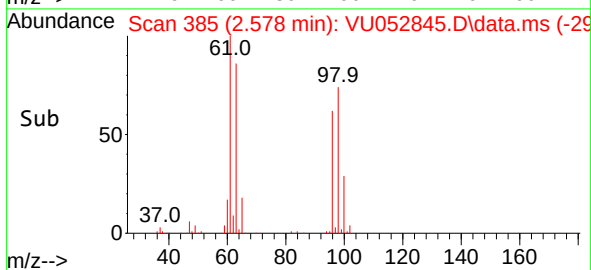
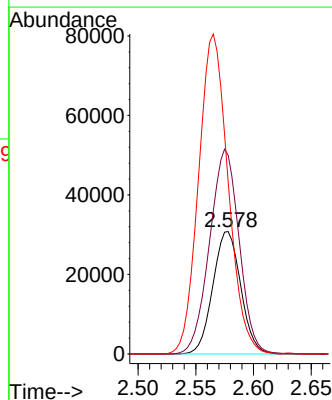
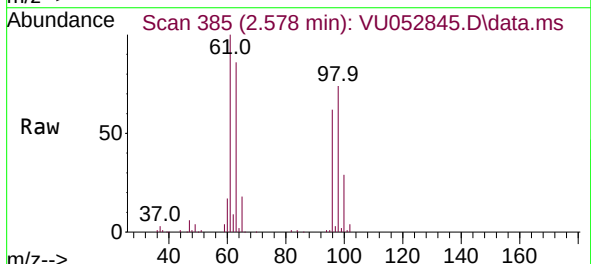
Tgt Ion: 96 Resp: 51635

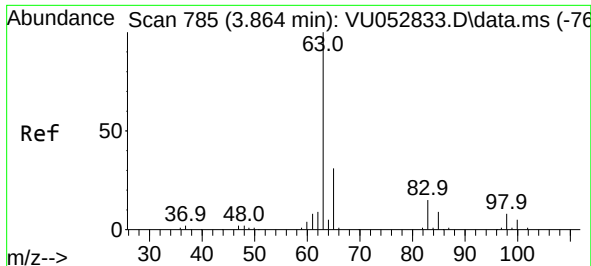
Ion Ratio Lower Upper

96 100

61 162.4 114.3 212.3

63 140.3 80.6 149.6

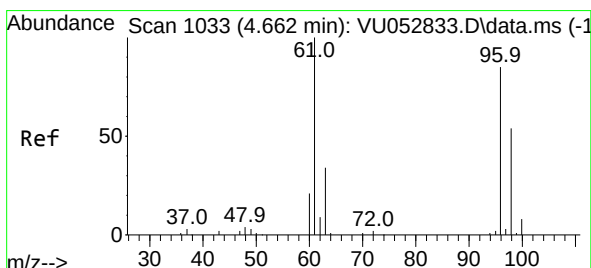
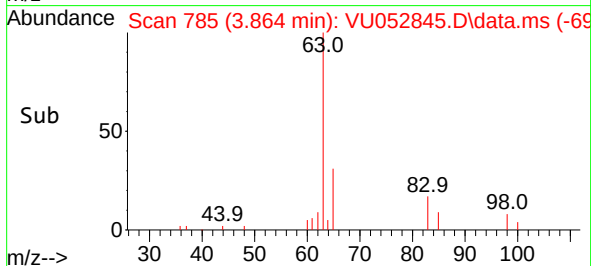
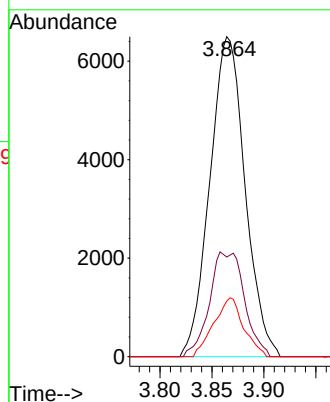
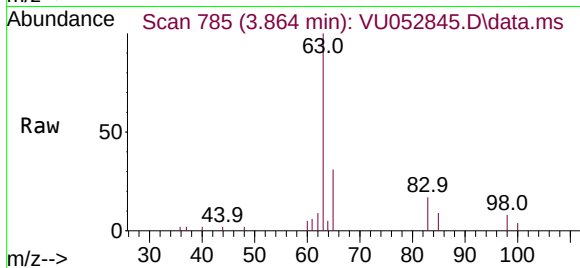




#19
1,1-Dichloroethane
Concen: 4.109 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU052845.D
Acq: 27 Jan 2023 14:37

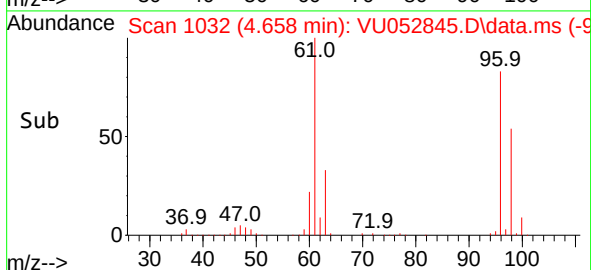
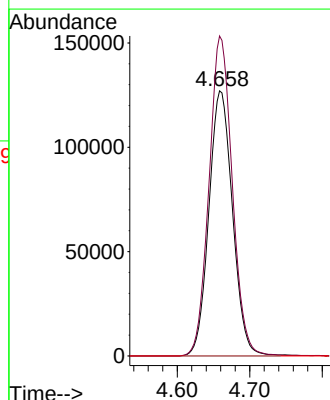
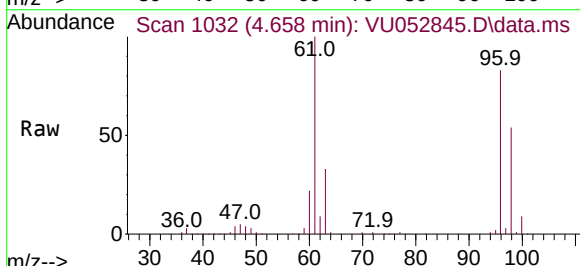
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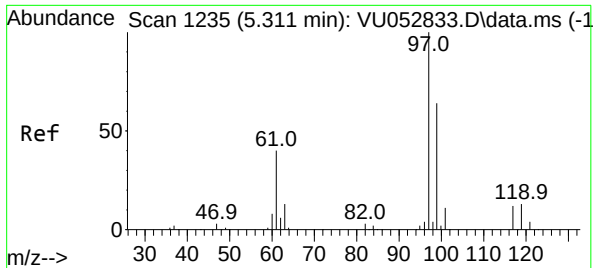
Tgt Ion: 63 Resp: 15309
Ion Ratio Lower Upper
63 100
65 31.1 22.4 41.6
83 17.4 9.2 17.2#



#20
cis-1,2-Dichloroethene
Concen: 126.912 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU052845.D
Acq: 27 Jan 2023 14:37

Tgt Ion: 96 Resp: 287870
Ion Ratio Lower Upper
96 100
61 120.7 84.1 156.1
68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 8.512 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

Instrument :

MSVOA_U

ClientSampleId :

C0LC9

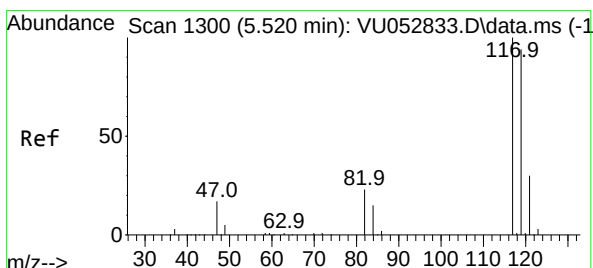
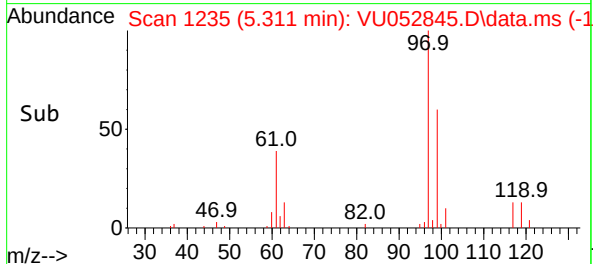
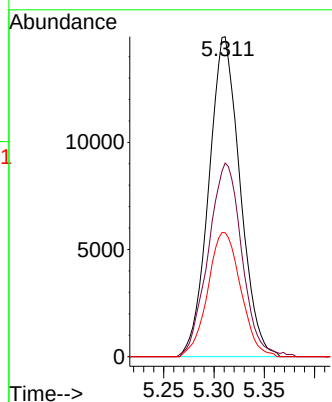
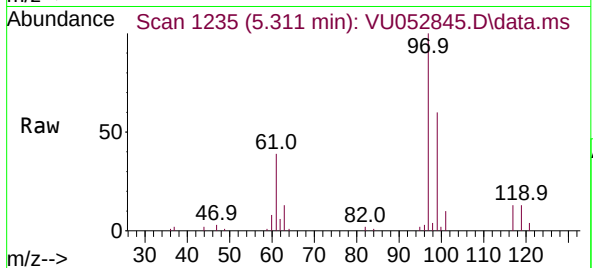
Tgt Ion: 97 Resp: 32251

Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 40.9 33.0 49.6



#31

Carbon tetrachloride

Concen: 1.225 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.212 min

Lab File: VU052845.D

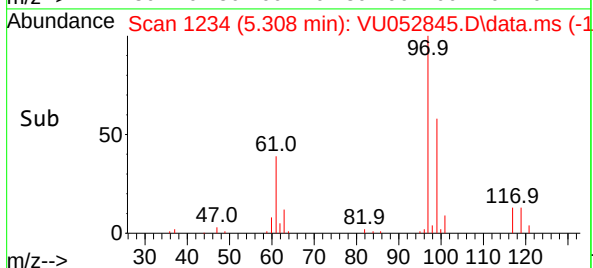
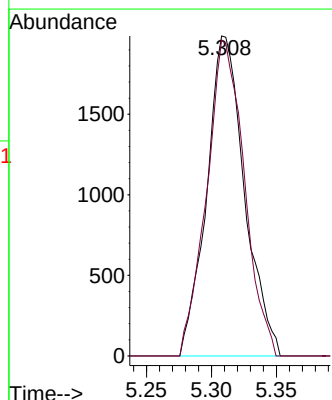
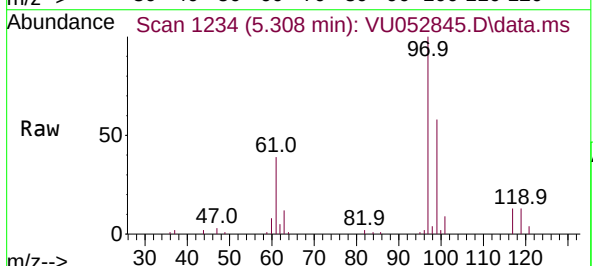
Acq: 27 Jan 2023 14:37

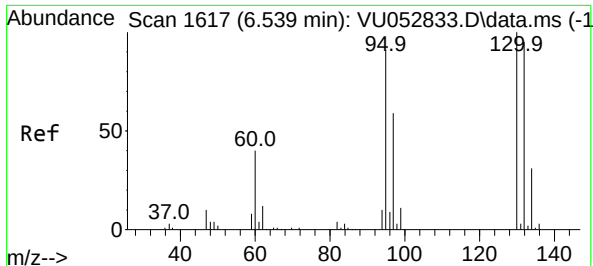
Tgt Ion: 117 Resp: 4023

Ion Ratio Lower Upper

117 100

119 98.0 76.2 114.4





#34

Trichloroethene

Concen: 103.337 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

Instrument :

MSVOA_U

ClientSampleId :

C0LC9

Tgt Ion: 95 Resp: 230306

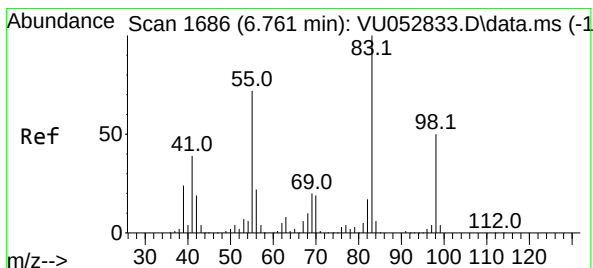
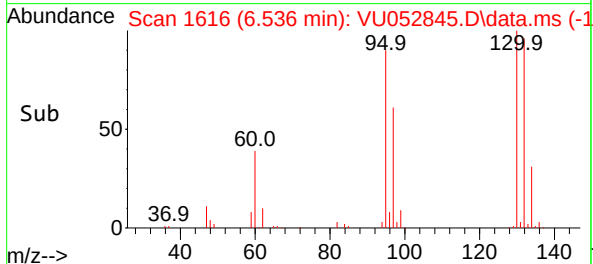
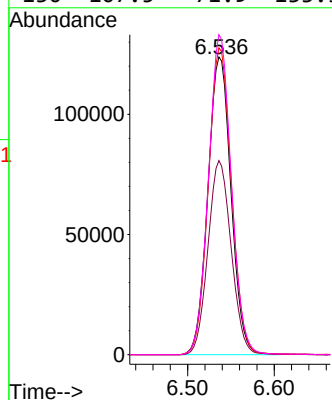
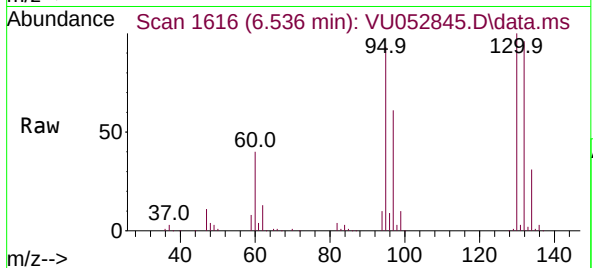
Ion Ratio Lower Upper

95 100

97 65.2 44.5 82.7

132 103.1 66.8 124.0

130 107.5 71.9 133.5



#35

Methylcyclohexane

Concen: 7.575 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.077 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

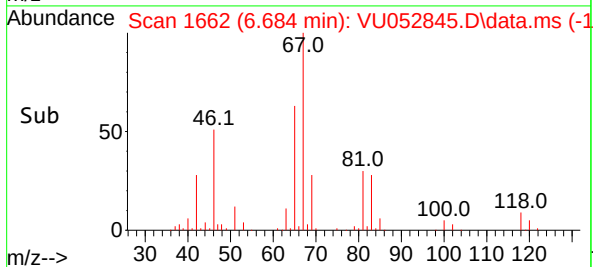
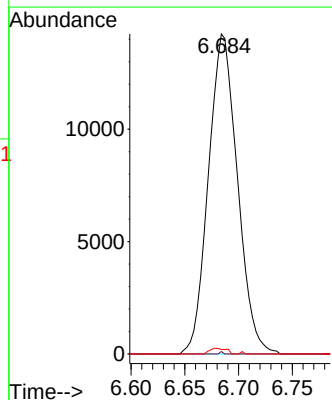
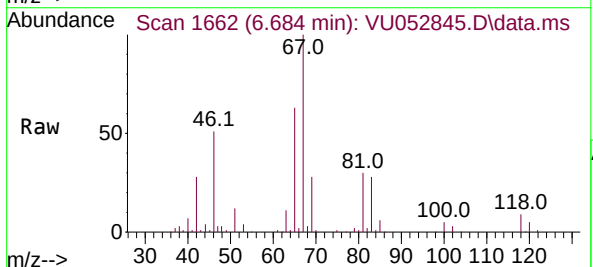
Tgt Ion: 83 Resp: 26719

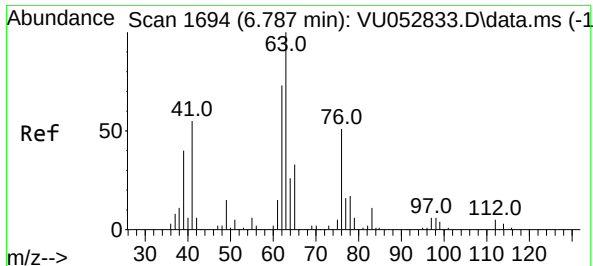
Ion Ratio Lower Upper

83 100

55 0.0 57.1 85.7#

98 0.2 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 5.346 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

Instrument :

MSVOA_U

ClientSampleId :

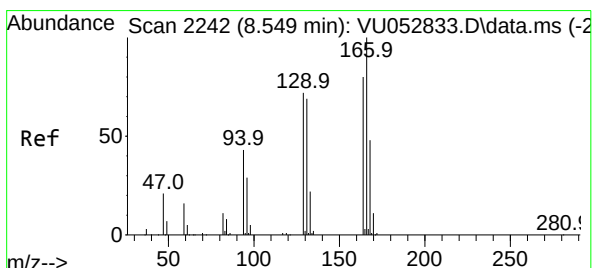
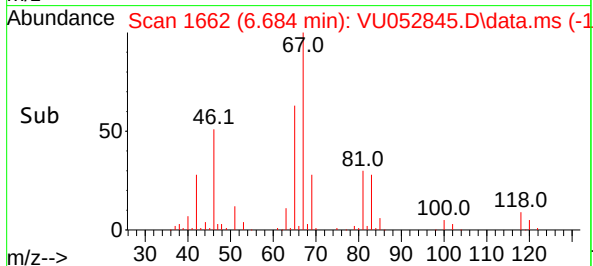
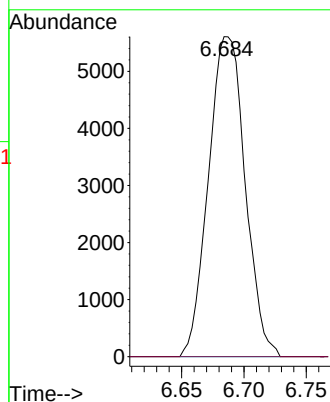
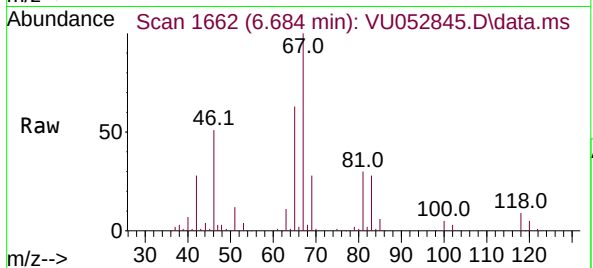
C0LC9

Tgt Ion: 63 Resp: 11524

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#46

Tetrachloroethene

Concen: 486.990 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052845.D

Acq: 27 Jan 2023 14:37

Tgt Ion:164 Resp: 934576

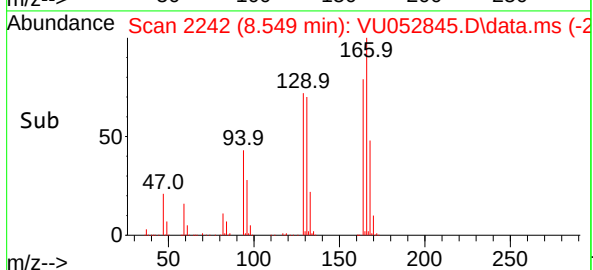
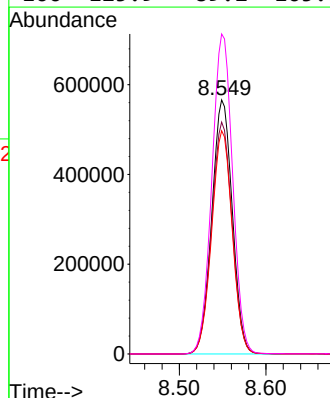
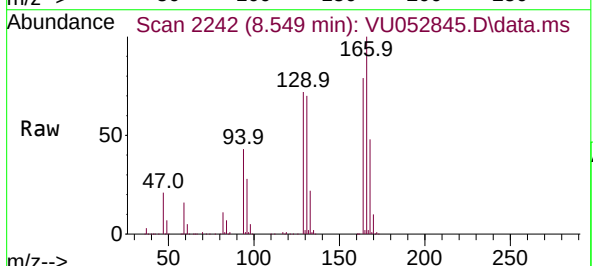
Ion Ratio Lower Upper

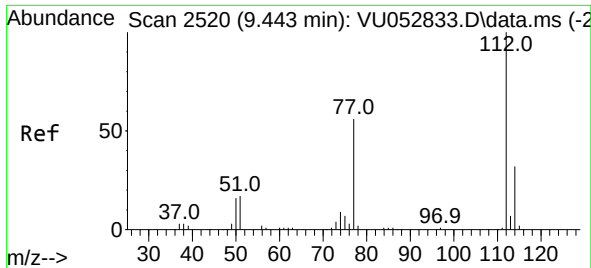
164 100

129 91.3 64.8 120.3

131 87.8 61.2 113.6

166 125.9 89.2 165.8

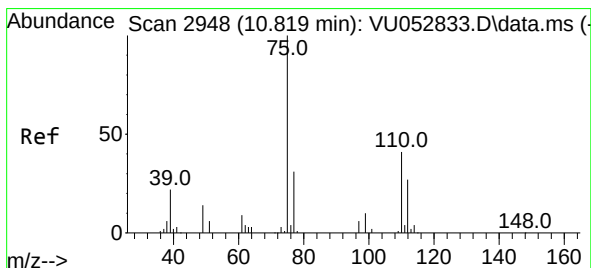
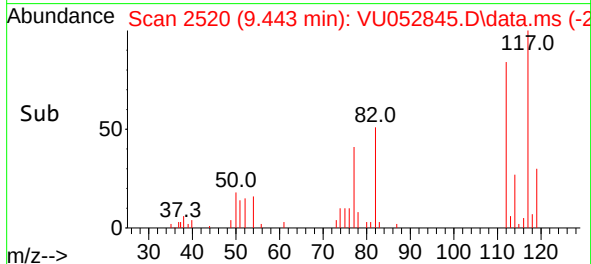
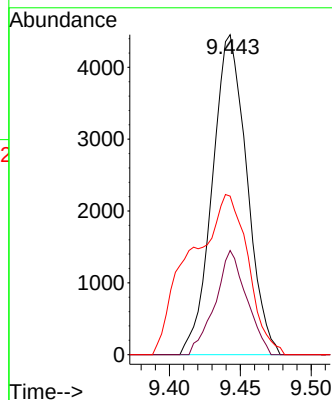
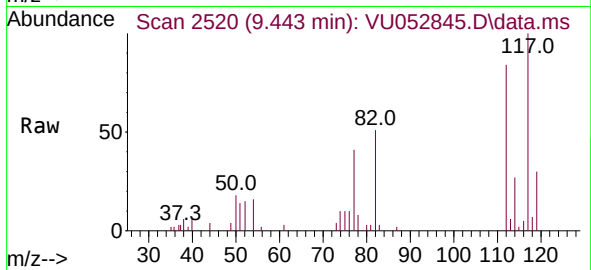




#51
Chlorobenzene
Concen: 1.221 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052845.D
Acq: 27 Jan 2023 14:37

Instrument :
MSVOA_U
ClientSampleId :
COLC9

Tgt Ion:	112	Resp:	7549
Ion Ratio	Lower	Upper	
112	100		
114	32.5	22.8	42.4
77	49.5	45.9	68.9



#60
1,2,3-Trichloropropane
Concen: 5.408 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU052845.D
Acq: 27 Jan 2023 14:37

Tgt Ion:	75	Resp:	12748
Ion Ratio	Lower	Upper	
75	100		
77	33.5	25.8	38.8
110	1.8	32.4	48.6#

